Chestnut Extract Substitute—page 7

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 143 No. 12

ABC

Schnell Publishing Company Inc. Publishers

March 22 1943

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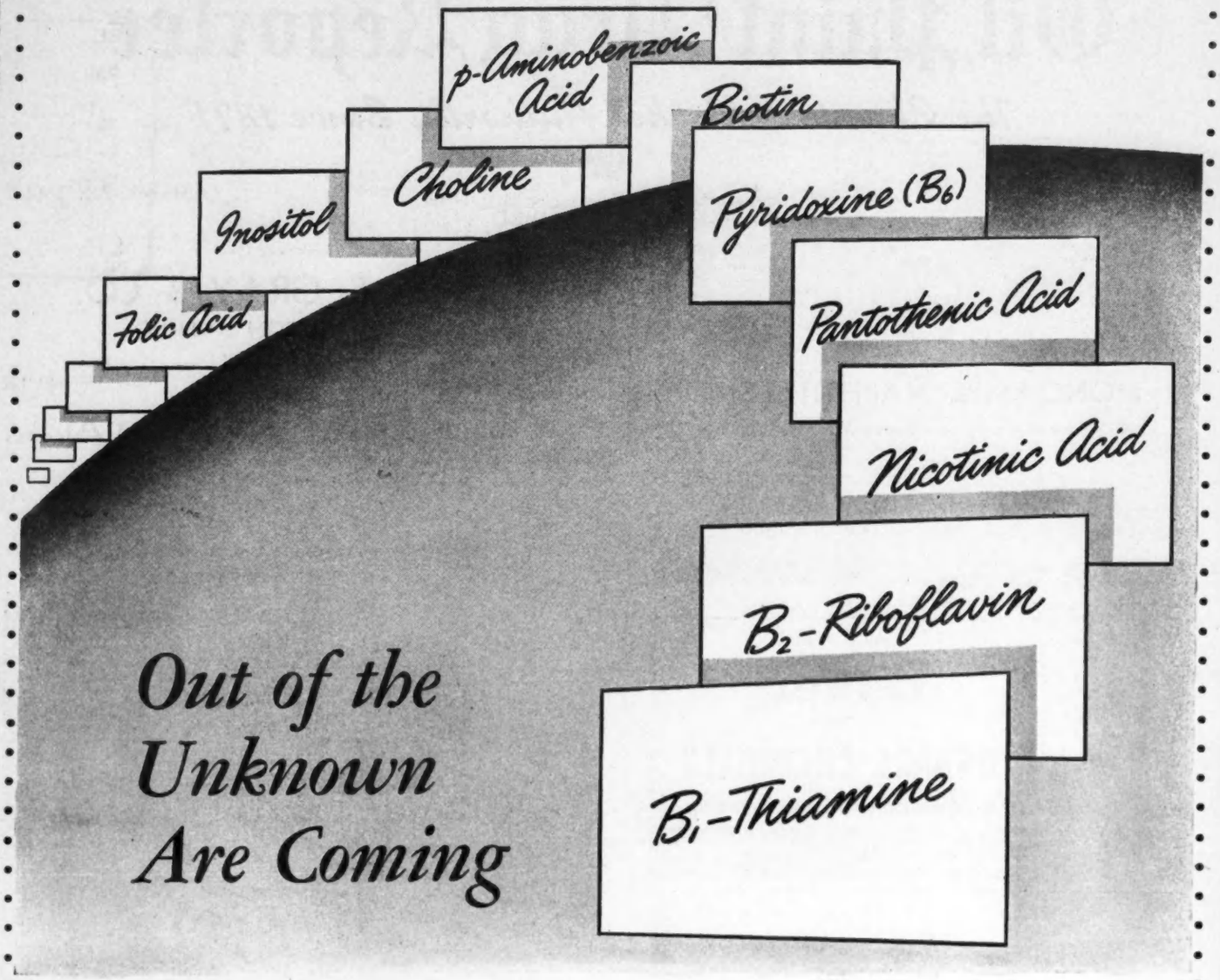

NEW VITAMIN FACTORS . . .

Science has come a long way from the discovery of what was at first called simply Vitamin B. It will probably go a lot further before the whole Vitamin B Complex is completely revealed and understood.

By now, however, science has reached a stage where yeast is recognized as the *best natural source* of the entire Vitamin B Complex, including all the known factors and many of those not yet identified.

The applied science of manufacturing vitamin-enriched foods and pharmaceuticals has also reached a stage where the various vitamin sources have been tried and found good, or wanting, as the case may be. And Standard Brands has become recognized as the leading source of yeast for the B vitamins.

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PHARMACEUTICAL DIVISION

595 MADISON AVENUE, NEW YORK, N. Y.

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

No. 12 | March 22, 1943 | Volume 143

Belladonna Cultivation Data Given by Laurie

Prof. Alex Laurie for some time has been supervising a number of experiments in drug plant cultivation at Ohio State University. In association with E. N. Stillings he has recently reported, in *The Chemurgic Digest*, their culture studies of *Atropa belladonna*. On the basis of their experiments with this drug they state the following conclusions:—

1. Belladonna seeds germinate slowly and unevenly. By pretreating with sulphuric acid, soaking in water, starting in high temperature and high moisture, 50 percent germination may be secured.

2. No difference was obtained in yield from plants planted from pots, bands, and flats.

3. Plants spaced 2 feet by 2 feet in the field yielded practically the same amount of material per plant as those spaced 12 inches by 12 inches.

4. Reduction of light intensity was detrimental to the total dry weight of material produced and to the synthesis of alkaloids within the plant.

5. High concentrations of available nitrogen, phosphorus, and potassium increased the yield of belladonna.

6. Slightly higher yields were obtained from plants grown in soil with pH 5.5 to 6.5 than those grown in soil with a higher pH.

—Continued on page 50

—O-P-D—

Alcohol Wood-Sugar Production Studied

OPD Washington Bureau

Plans for extensive experiments in the production of alcohol from products of wood hydrolysis has been completed by the Office of Production Research and Development, Director Harvey N. Davis has announced.

The experiments, expected to be carried on for about six months, will be designed to provide the necessary basic engineering knowledge for the construction of a wood-sugar plant utilizing the Scholler process developed in Germany. Valuble information about this process has been given to this country by German refugees, notably E. M. Schaefer, formerly president of the Scholler-Ternesch Company.

Tests of the German process, which may open up a method of producing vitally needed alcohol from wood waste, will be conducted in two privately-owned pilot plants in Michigan and Tennessee under the supervision of the Forest Products Laboratory of

—Continued on page 44

—O-P-D—

A.P.M.A. Production Groups Programs Set

Programs have been drafted for the respective meetings of the Eastern and Western production committees of the American Pharmaceutical Manufacturers Association. The Eastern group will meet in the Commodore hotel, this city, March 27, and the Western group in Palmer house, Chicago, April 3. The programs follow:—

Eastern Division

"The Operation of a Biological Control Laboratory," Harry Fisher, C. D. Smith Pharmacal Company.

"The Function of the Development Laboratory in the Pharmaceutical Industry,' 'Dr. Carl J. Klemme, Burroughs-Wellcome & Co.

"Wartime Purchasing Problems," R. C. Scott, Maltbie Chemical Company.

"Wartime Production Problems," J. L. Lemmon, National Drug Company.

"Wartime Personnel Problems," J. W. Curry, United Drug Company.

Guest speaker, Fred J. Stock, chief, drugs and cosmetics section, Chemicals Branch, War Production Board.

—Continued on page 44

Fats, Oils Rationing Parley Set for Mar. 24

OPD Washington Bureau

The members of the lard, shortening, margarin, salad oil and mayonnaise industries will meet with officials of the Office of Price Administration and of the Department of Agriculture in Chicago March 24 to discuss rationing.

The meeting is to give the government representatives an opportunity to explain in detail the rules and regulations governing the rationing of edible fats and oils products and to answer questions.

Alcohol Output Clouded By Corn Price Wrangle

OPD Washington Bureau

The controversy between the Office of Price Administration, the congressional farm bloc and the hog raisers over prices of corn was reported by officials of the War Production Board March 18 to be imposing a serious threat to the program of industrial alcohol production which, if not settled at an early date, may compel the closing down of a number of distilleries now producing alcohol from corn.

According to Senator Guy M. Gillette, of Iowa, chairman of a senate subcommittee that has been investigating the possibilities of using alcohol from farm products in the pro-

—Continued on page 33

—O-P-D—

WPB Bans Specialty Papers for Wrapping

OPD Washington Bureau

Nonessential uses of certain specialty papers used in wrapping, specifically glassine, greaseproof and vegetable parchment, were prohibited March 17 through issuance of General Conservation Order M-286 by the War Production Board. It is estimated that this conservation of material, formerly used largely for transparent decorative wrapping, will effect a saving of from 10,000 to 15,000 tons per year.

Essential uses of this type of paper include packaging of food, ordnance, drugs and health supplies, as well as for tracing papers in industrial plants and for electrical insulation, the Pulp and Paper Division of WPB stated. Only about fifteen mills with a total capacity of approximately 140,000 tons a year manufacture these grades of paper.

War Contract Renegotiation Banned on 32 Materials

OPD Washington Bureau

Regulations were issued jointly by the War Department, Navy Department, Maritime Commission and Procurement Division of the Treasury Department, March 13, exempting some thirty-two major groups of materials from war contract renegotiation.

The joint regulation states that each of the products is "the product of a mine, oil or gas well, or other mineral or natural deposit, or timber, which has not been processed, refined or treated beyond the first form or state suitable for industrial use" within the meaning of subsection (i) (1) (ii) of the renegotiation statute.

When one of these exempt products is included in the manufacture of another product, the contract for which is not exempt from renegotiation, the exempt product will be allowed as a cost in the performance of the contract covering the nonexempt product at the sale or market price of such exempt product.

Applying this to renegotiation of a contract for a fabricated copper product, such as electrical switches, when a copper company processes crude copper ore into ingots (contracts for which would be exempt from renegotiation) and then fabricates the ingots into electrical switches, the copper in ingot form will be considered as an element of cost of the switches at its established sale or market price.

Under the regulation the exemption applies not only to the prime con-

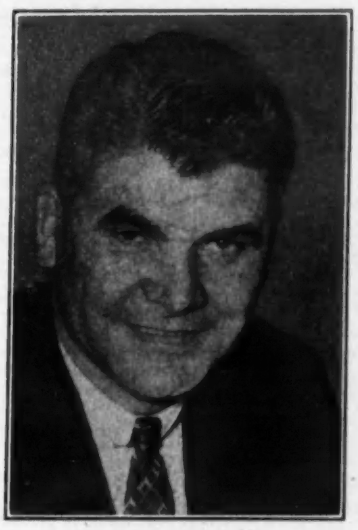
—Continued on page 57

—O-P-D—

Bucy Quits WPB To Return to Atlas Co.

OPD Washington Bureau

E. H. Bucy, chief of the Protective Coatings Section of the War Production Board has resigned to return to private industry and will be succeeded April 1 by Thomas J. Craig, now deputy chief of the section, it was announced March 18 by the War Production Board.



E. H. Bucy

Mr. Craig has been associated with the Protective Coatings Section since November, 1941, first as chief of the printing ink unit, later in charge of matters pertaining to plant expansion, facilities and equipment, and since January, 1943, as deputy chief of the section, supervising the distribution of commodities. He came to WPB from the Krebs Pigment Division of E. I.

—Continued on page 33

Glycerin Substitute Approved by F.D.A.

OPD Washington Bureau

Officials of the Food and Drug Administration stated March 18 that there is no objection under the food, drug and cosmetic act to substitution of ingredients in drug products to replace materials that are scarce as long as the finished product has the proper therapeutic potency and the finished product is properly labeled. In the case of official preparations, however, substitutions can not be made and the finished product sold as U.S.P. or N.F. preparations.

One of the chief difficulties facing drug manufacturers is in obtaining sufficient supplies of glycerin for their products, and many have begun to substitute propyleneglycol, which is more readily available. Supplies of this product, however, are beginning to tighten up and a shortage may result if the demand becomes too great.

The A.Ph.A. Committee on National Formulary is now in the process of preparing a second supplement for issuance at an early date modifying the requirements for a number of N.F. products to effect a saving in glycerin.

—O-P-D—

FDA Seizure Powers On Misbranding Upheld

OPD Washington Bureau

Seizure by the Food and Drug Administration of a shipment of "Marmola" prescription tablets of the Raladam Company under the misbranding provisions of the Federal food, drug and cosmetic act on the grounds that the labeling was false in representing that the tablets were a safe remedy for obesity has been upheld by Patrick T. Stone, United States District Judge for the Western District of Wisconsin.

In addition to sustaining the charges of the government on all counts, Judge Stone also upheld the constitutionality of section 304 of the act pertaining to the method of seizure and disposition of misbranded drugs moving in interstate commerce, and section 502 holding a drug to be misbranded if its labeling is false or misleading in any particular, or if it is dangerous to health when used in the dosage, or with the frequency or duration prescribed, recommended, or suggested in the labeling thereof.

Cinchona Cultivation Pact Signed by Costa Rica—U. S.

OPD Washington Bureau

Seeds brought back from Bataan by Dr. Arthur F. Fischer, expert on tropical forestry and adviser to the government of the Philippines, are to be used as the source of quinine from Costa Rica under an agreement just signed between Costa Rica and the United States, it was stated at the Board of Economic Warfare March 16.

The agreement gives to the United States a twenty-five-year lease on 10,000 acres of land in Costa Rica for the growing of cinchona trees, and a mission from the BEW is now in Costa Rica selecting the area to be cultivated. Under the terms of the agreement title to the lands and installations will revert back to Costa Rica when the concession terminates.

BEW officials said that the seeds carried away from Bataan by Dr. Fischer during evacuation of that area are of such a high quality that they can be the source of much needed quinine within the short space of two or three years if an emergency arises necessitating additional stocks of quinine being obtained in a hurry.

Ordinarily it takes from five to seven years for the cinchona trees to reach a growth where quinine can be extracted from the bark, but in this case, it was stated, it will be possible to pull up the trees after two or three years and extract the quinine by crushing if such extreme measures become necessary.

Equipment is now being gathered by BEW for shipment to Costa Rica to clear the lands and make them ready for planting.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Mar. 19, 1943	Mar. 12, 1943	Mar. 20, 1942
135.3	135.3	145.1

The base of the OPD Price Index is the average of prices in 1926 and 1930, those years representing extremes of price undulations in the interwar period.

Pricewise, the markets for chemicals and related industrial materials returned closer last week to their recent normalcy. Again there was a slight upping in the liquid aromatics group; botanics showed their usual declension; and linseed oil returned to give a hoist to the fatty oils record. A new note was an ascending one in fertilizers, on account of a boost for superphosphate—a movement which is likely to hear from the farm-blocrats in a short time.

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Cresylic Acid Ceilings For Imported A and B Set

OPD Washington Bureau

A maximum producers' price of 72.8c. per gallon for imported grade A cresylic acid was established March 18 by the Office of Price Administration. The amendment is effective March 24.

Practically the only source of imported cresylic acid is Great Britain and until now mainly has been exporting grade B to American users. However, a limited amount of the higher grade is now being made available to purchasers in this country.

The action, taken in amendment No. 3 to Maximum Price Regulation No. 192, recognizes a 2.8c. per gallon differential between the grades A and B and sets the same ceilings, established over the chemical by British price control.

The action allows American sellers of the imported grade A cresylic acid to use the 72.8c. ceiling in the computation of their maximum prices for the chemical instead of the maximum price of 70c. per gallon established for the lower imported grade. Grade B cresylic remains at 70c. per gallon.

Domestic cresylic acid sells at about 25 percent less than imported grades.

—O-P-D—

Rosin Export Licenses For Brazil Reinstated

OPD Washington Bureau

Office of Exports, Board of Economic Warfare announced March 12 that effective immediately, the general licenses under which the following commodities may be exported to Brazil are reinstated until May 1, 1943:—

Gum and wood rosin, gum and wood turpentine, sulphur, caustic soda and soda ash.

Shipments of these commodities which are on dock, on lighter, laden aboard the exporting carrier or in transit to ports of exit pursuant to actual orders for export prior to May 1 may be exported under the general license provisions.

—O-P-D—

Bids Wanted

Carbon, Activated:—30,000 pounds. General Purchasing Officer, The Panama Canal, Washington schedule 6879, openings March 30.

Drugs:—Supplies of, Procurement Division, Veterans Administration, Washington; invitation 243, openings March 23.

Drugs & Chemicals:—Supplies of, Procurement Division, Veterans Administration, Washington; invitation 265, openings April 2.

Ferromanganese:—10,000 pounds. General Purchasing Officer, The Panama Canal, Washington; schedule 6877, openings March 29.

Ferrosilicon:—2,000 pounds. General Purchasing Officer, The Panama Canal, Washington; schedule 6877, openings March 29.

Soap:—7,860 pounds. Procurement Division, Veterans Administration, Washington; invitation-S, openings March 24.

—O-P-D—

Fats Salvage Plan Set

Association of American Soap and Glycerin Producers plans and expenditure of $500,000 for promoting the salvage of fats and greases by householders.

Carbide Shortage Stressed by WPB

Consumers of calcium carbide, acetylene, and oxygen are being urged by the WPB Chemicals Division to effect all conservation measures possible in the use of these products because of the tight supply situation. At a meeting of the Oxygen and Acetylene Industry Advisory Committee, March 17, members were informed that the serious shortage of calcium carbide will continue for several months because of delays in operation of new facilities, and that there will be a "serious shortage of oxygen, which will continue throughout the year, pending the completion of new facilities."

Several contemplated changes in calcium carbide order M-190, details of which were not made public, also were discussed and approved by the committee, officials said.

Considerable difficulty has been experienced, it was stated, in providing sufficient ¼ x 1/12 carbide to meet the needs of war industries, and an investigation will be made relative to the possibility of converting several acetylene generators consuming this size to use of more available sizes of carbide.

—O-P-D—

Barium Reduction Elects T.B. Jackson President

Thomas B. Jackson, former secretary and general counsel for the Barium Reduction Corporation, Charleston, W. Va., has been elected president. He fills a vacancy caused by the recent death of James B. Pierce, jr., in a plane crash. Mr. Jackson is a member of the law firm of Brown, Jackson and Knight.

—O-P-D—

Flaxseed Acreage Up

Farmers intend to plant 6,051,000 acres to flaxseed during the coming season according to an official government report issued late Friday. This is an increase of about 29 percent over the previous season.

Zinc Oxide Certifying Dropped by WPB

Consumers of zinc oxide have been relieved of the necessity of furnishing written statements to suppliers, under GPR order M-11-a, certifying that receipt of any further shipment will not increase the inventory of zinc oxide in excess of a necessary minimum working supply. The clause requiring certification was eliminated from the regulation by a War Production Board amended order M-11-a, issued March 19.

Although consumers are no longer required to furnish the certification, the amended order does not remove basic limitations on the size of consumers' inventories. Producers are still prohibited from knowingly making a delivery of zinc oxide to a consumer—and others are prohibited from receiving the material—if receipt of such shipment by the customer would increase his stocks on hand "in excess of the practicable minimum working inventory reasonably necessary to meet deliveries of the person accepting delivery, on the basis of his current method and rate of operation."

—O-P-D—

Petroleum Producing Probe to Start Apr. 14

An investigation of the petroleum producing situation, with special reference to the causes of the decline in wildcatting, or exploratory drilling for new oil fields, will be conducted by the select committee on small business of the house beginning April 14, it was announced March 16 by Representative Wright Patman, of Texas, chairman.

The hearing will run for two or three days and representatives of the principal oil producing sections of the country have been asked to testify, together with officials of the war emergency agencies.

—O-P-D—

Ipecac Up in London

LONDON, March 19, 1943.

Matto grosso ipecac advances to 20s. per hundredweight; Minas, sub BP, 17s.; dementhalized peppermint oil, 87s. 6d. to 92s. 6d.

Drums Available Without Priority Rating

OPD Washington Bureau

The following table is a list of new steel drums which are available to the chemical industry. These drums may be obtained without preference ratings and without clearance under allocation orders. For further information, those interested should contact Charles P. Given, Packaging Unit, Chemicals Division, War Production Board, Washington, D. C.

Location.	Gals.	Gauge.	Amount.
Anderson, Ind.....	14	26	68
" "	30	26	162
Birmingham, Ala.....	30	24	81
Brooklyn, N. Y.....	41	24	495
" "	18	26	679
" "	10	26	153
" "	7	26	35
Chicago, Ill.....	55	18	2,115
" "	30	20	1,384
" "	16	22	6,315
" "	10	22	856
" "	5	26	1,221
" "	4	26	7,569
" "	30	19	394
" "	55	18	187
Grasselli, N. J.....	5	24	2,648
" "	6½	24	376
" "	8	24	2,506
" "	15	22	1,000
" "	4	24	1,520
" "	3½	24	1,800
Graystone, Ala.....	24	20	400
Kingsport, Tenn.....	40	20	775
" "	30	20	1,022
" "	20	20	107
" "	10	22	350
" "	5	26	143
Los Angeles, Calif.....	55	18	700
Matawan, N. J.....	44	24	499
" "	15	28	315
Miami, Fla.....	3	26	5,000
" "	6½	24	500
" "	12	22	500
Milwaukee, Wisc.....	5	26	11,923
" "	7	24	1,003
Rensselaer, N. Y.....	5	24	829
" "	6¾	22	1,118
" "	3½	24	1,381
" "	8	22	1,205
" "	10	22	1,862
" "	12	22	2,309
" "	15	22	1,229
" "	20	22	1,853
" "	25	22	874
" "	30	22	1,700
Salt Lake City, Utah...	30	20	2,800
Vernon, Wisc.....	30	19	91
" "	55	18	109
" "	5	24	1,435
Waukesha, Wisc.....	55	18	212
" "	20	26	237

N. B.—All drums made from standard black iron drum sheet.

—O-P-D—

West Coast Soap Stocks Prices Set

OPD Washington Bureau

Fixed dollars and cents maximum prices for certain raw and acidulated soap stocks at West coast points have been named by the Office of Price Administration, at the same levels as ceilings set previously for these products when sold in the Midwest. The new West coast ceilings specified include cottonseed foots, soybean foots, soybean oil and acidulated cottonseed foots.

These certain ceiling price increases were granted in the new amendment No. 25 to schedule No. 53. The increase on soybean fatty acids amounted to one-cent per pound, bringing the new ceiling up to 11 cents; the raise on corn oil fatty acids of ⅞-cent per pound brings that commodity's maximum price up to 11⅛ cents per pound.

A clause also has been inserted in

—*Continued on page 33*

—O-P-D—

Ammo. Sulphate Ceiling Charges Are Revised

OPD Washington Bureau

The Office of Price Administration amended March 16 maximum price Regulation No. 205, which amendment is applicable only to sales of ammonia sulphate for other than industrial use. This amendment, effective March 20, provides that a producer, importer, or primary jobber who ships ammonia sulphate from the producer's plant or, in the case of an importer, from the point of discharge to a warehouse situated at a point other than the place of production or discharge, stores the ammonia sulphate in a warehouse, and then reships it in bags may add a charge of 50 cents per ton in addition to the charge of $1 and the cost of the bags already permitted by the regulation when the commodity is sold in bags.

The new amendment also extends the area of sales exempted by the regulation to Colorado and New Mexico but eliminates Pueblo, Colo., from the list of inland ovens specified in the regulation and authorizes sellers to charge customers the 3 percent additional transportation tax levied by the revenue act of 1942 on all transportation charges paid by the buyer.

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Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The administration's program of stabilizing the cost of living by checking rapid advance in wages and prices of foods, clothing, and other necessities of life is beginning to shake at its foundations. Cracks that threaten to become breaks are beginning to show in both the "little steel formula" and the food price ceilings as results of pressure by the labor and farm blocs.

In two recent orders WLB has gone above the limits of the "little steel formula" in granting wage increases to correct what it said were inequities in the wage pattern. And now the AFL has joined with the CIO in demanding that the formula be scrapped entirely.

The farm-blocrats are being more subtle, however, in their efforts to puncture the ceiling on farm prices. They are proposing to do it by rewriting the parity formula to include wages and exclude benefit payments from the parity computation.

Anyway you look at it the program to stabilize living costs is in bad shape —thanks to official vacillation!

No Casein Allocation

WPB officials are understood to have changed their minds in the matter of providing an allocation program on casein. While the casein supply situation is in bad shape, the feeling now is that it can be handled in a different manner, such as tightening up controls over plastic production which is a big user of the product.

Taffy for Little Business

Congressional desires to do something to help the "little" businessman over his troubles in the war program are showing no signs of a let up—a condition explained by the fact that there are an awful lot of votes in the field of little business and no smart politician is going to overlook this bet.

One of the latest moves to show the "little" businessman that he is not the forgotten man came with the introduction in the senate of a bill by Senator Wiley, of Wisconsin, to appoint an Assistant Secretary of Commerce to handle the problems of little business. The bill contemplates the concentration of all the diversified efforts of the government on little business problems in the hands of the assistant secretary—both as respects present-day problems and those that will come after the war.

New Bugkiller for Army

Army contingents in overseas areas are being supplied with a new type of insecticide composed of freon, sesame oil, and pyrethrum for control of mosquitoes and other annoying or disease-bearing insects. The composition is found to be highly efficient, nontoxic (freon has anesthetic properties), and noninflammable.

The new insecticide comes in pressure containers holding about 1 pound, with spray outlets which can be controlled by the person using them. Only four seconds of spraying are required for confined space of about 1,000 feet, ten seconds for a pyramidal tent, and three seconds for a pup tent.

One container of the new insecticide is reported to be equal in lethal qualities to more than a gallon of liquid insecticide of the usual type.

Distribution Still Lags

Production of munitions of war has moved forward so fast that the peak of the program will be reached in the next two or three months, confidential reports to officials show. In fact tank production already has started dropping.

Two problems to be tackled now are (1) improvement of efficiency, and (2) distribution. Officials are now taking time to look into the efficiency problem and plan to begin at the top in straightening it out by eliminating some of the "side-shows," such as reports, questionnaires, inspections, and the like that take up too much time of the managers.

Until more materials are available for building locomotives and freight cars, distribution will have to be speeded by reducing the volume of nonessentials moving across the country, and by making more efficient use of all existing means.

Nonferrous Promotion

Possibilities of WPB's taking steps soon toward encouraging the reopening of abandoned nonferrous mines are not too remote. WPB Chief Nelson is planning to meet the demands of the Mining State congressmen, at least part of the way, by subsidizing production of marginal producers and making necessary machinery available.

The program will be limited, however, and Mr. Nelson has no intention of going all-out in trying to satisfy the demands; first, because too much steel would be needed for equipment; and, secondly, because a subsidy program costs too much money. Mr. Nelson plans to meet some of the deficiency of nonferrous metal supplies by means of returning boats from Africa. Instead of the boats coming back with sand or water ballast, they will load up with the African ores for the return voyage.

Fueling-Up in Summer

Lessons learned from the experiences of the current fuel oil heating season are to be put to advantage in the rationing program for next year by OPA rationing officials. One of them is not to wait until the last minute, as was the case last year, in permitting fuel oil consumers to fill their tanks.

While it might be argued that, by permitting consumers to fill their tanks in the Summer months, it will be more difficult than ever to get those who can to convert to coal, it cannot be denied that it would be an extreme waste of storage space not to allow the users to fill their tanks when the oil is more readily available. Storage space is just as valuable nowadays, whether it be a 250-gallon tank in the cellar or a 500,000-gallon tank on a dealer's lot.

Petroleum Probe Voted

The house has ordered an investigation of the scores of aspects and arguments presented by the unsatisfactory petroleum situation. Apparently it will be aimed at proving something, rather than finding what's what.

The house has also launched a probe of the Farm Security Administration, professedly because of alleged communistic tendencies in the functioning of that agency.

More than a dozen probes are under way by groups of representatives, and it has been suggested in the house that an investigation of investigations is in order.

Speeding Up OPA

David Ginsberg's departure from OPA as its general counsel is the beginning of an exodus of OPA lawyers for less green pastures. Price Administrator Brown has the axe out for the OPA legalers, and they had best start looking for new jobs. The axe is due to start swinging in about a week.

Mr. Brown has been in office for two and a half months and feels that he now has his feet on the ground. He has come to the same conclusion as many of those in business life who have had to deal with OPA—that the big trouble with OPA is that it has been bogging down in too many legal technicalities. The lawyers, Brown says, have delayed the progress of adjusting price control measures by their insistance on reviewing every order or price change.

Mr. Brown also has some other radical changes in mind for the OPA setup, not the least important of which is providing the local offices with more authority to make decisions than they have had in the past. Policy and programming will be developed in Washington, but the actual application of the price and rationing orders will be delegated to the man-on-the-scene who under-

—Continued on page 33

Aromatic Petroleum Solvents Allocated

OPD Washington Bureau

The War Production Board has made public the March distribution of aromatic petroleum solvents, naphthenic acid, naphthenates and phenolic resin molded products. This report supplements the announcement made March 8, 1943.

Aromatic Petroleum Solvents

Requests for aromatic petroleum solvents under order M-150 were normal for the month of March. Not all the requests were granted. Those denied fell in the non-essential civilian class. This end-use class comprised twenty-five percent of all the solvents requested for civilian use. The following civilian uses were considered non-essential:—1. household furniture; 2. baby carriages; 3. dry cleaning; 4. certain of the chemical uses; 5. non-classifiable uses, and 6. those requests for building materials, construction and equipment which were too vague to be allowed.

Requests for aromatic petroleum solvents to be used in private cars and commercial conveyances were not always justified. Consequently, only 50 percent

—Continued on page 46

—O-P-D—

OPA Restricts Lawyers To Legal Counselors

OPD Washington Bureau

Instructions have been given to the attorneys of the Office of Price Administration by Price Administrator Prentiss Brown to limit their activities in the future to giving advice to the price executives on the legality of orders and regulations and to refrain from holding up issuance of decisions on minor technical grounds, it was learned March 18.

The action of the Administration follows numerous complaints both within and without the OPA that the lawyers had gradually broadened their authority to the point where they were acting both in an administrative as well as a legal advisory capacity in many instances. With lawyers given the right to review administrative actions, decisions often were delayed intermidably.

In a memorandum to his staff, Mr. Brown reduced the lawyers to the status of "legal counsel" to the administrators with whom they are assigned. He made it clear that the ad-legal advice before taking action, but emphasized that the obligation to make "final decisions" will rest with the administration.

—O-P-D—

Osmium Metal Use Restricted by WPB

OPD Washington Bureau

Use of the metal osmium was prohibited March 16 for all purposes except the manufacture of alloys for electrical contacts under the provisions of Conservation Order M-302. No person will be permitted to put into process any osmium, excepting osmium alloys, for any other purpose than the one named in the order. Existing stocks of osmium alloys now in the hands of the industry are not restricted by the order.

—O-P-D—

Labor Board Rules On Wage Under 40c.

OPD Washington Bureau

In line with its efforts to simplify procedure and speed the handling of small wage and salary adjustment cases, the War Labor Board ruled March 15 that employers need not seek approval of the board to bring wage or salary rates up to 40 cents an hour. Announcement also was made of adoption by the board of an order broadening the authority of the regional boards to make short cuts in their procedure of handling voluntary increases requested by employers, or jointly by employers and unions, under certain specified conditions.

The permission granted employers to adjust wages and salaries up to a level of 40 cents an hour without prior approval of the board. The ruling largely affects those concerns which are not already covered by the fair labor standards act. In making such wage adjustments, however, the board stated, such increases may not be used to furnish the basis for increased price ceilings of the commodity or service involved, nor to resist otherwise justified reductions in such price ceilings.

Distribution Probe Voted by House Group

OPD Washington Bureau

The house committee on rules voted its approval March 18 of a resolution (H. Res. 98) introduced by Representative Charles A. Halleck of Ind. for an investigation by the house committee on interstate and foreign commerce of purported government plans on eliminating private brands of medicines, foods and other products, and other changes in normal methods of distribution. The measure now goes to the floor of the house for its approval. Under its terms the committee is specifically directed to investigate and determine:—

1. Whether the War Production Board, the Office of Price Administration or any other government agency is formulating plans to put into effect a program of (a) grade labeling and discarding of private brands, and (b) to bring about a simplification and standardization of marketing and distribution.
2. Whether and to what extent the formulation of such plans are necessary in connection with the successful prosecution of the war, and what requirements have been imposed that have the effect of curtailing the production of paper for newspapers, magazines, and other publications submitted to second-class mailing privileges.
3. Extent that such plans represent an attempt to change the domestic economy along lines not authorized by Congress.

—O-P-D—

Fish Production Order Scope Is Defined

OPD Washington Bureau

The Secretary of Agriculture has amended food directive No. 2, issued February 8, to define more specifically the responsibilities delegated to the Secretary of the Interior in regard to the production of fish and other forms of aquatic life, the Department of Agriculture said today.

The amendment defines "production" as used in the original order to include the catching and harvesting of any form of aquatic animal or plant life and the processing thereof Under the amendment, the Secretary of Interior is specifically "authorized and directed" to exercise the powers of allocation, concentration, or conversion insofar as they pertain to production, delegated to the Secretary of Agriculture by Executive Order No. 9280.

—O-P-D—

Industrial Equipment Shipments Clarified

Restrictions on shipment of certain types of industrial equipment frequently leased to users are clarified by General Limitation Order L-63 as amended today by the War Production Board. The original order by implication required ratings of A-9 or higher before any movement could be made of can-making and closing machinery leather working, shoe, textile manufacturing machines, etc. Since these types of machines are very often leased rather than sold, the order as amended explicitly permits the lesser to recover his machinery from the lessee on the termination of the lease.

—O-P-D—

Measuring Instruments Data Rule Revised

Manufacturers of those electrical measuring instruments whose production will be scheduled will not be required to bring scheduling data to Washington, it was indicated at a recent meeting of the Electrical Instrument Industry Advisory Committee called by the Electrical Instruments Section of the Radio Division, WPB.

To insure the smooth flow of instruments to producers of electronic equipment, both future orders and those already placed must be adjusted to current requirements, manufacturers said. During the past several months, some companies have been placing orders beyond immediate necessity, with the result that order schedules rise to sharp peaks and then decline abruptly. The adjustment of orders, by reducing immediate pressure upon the manufacturers, will expedite the fillings of smaller orders. It was proposed that some fixed percentage of average weekly capacity be earmarked for handling smaller orders, particularly those of high urgency.

OPD—3-22-1943

ATROPINE

SPARTEINE

TOTAQUINE

Specify NYQ *on your orders*

NYQ

GENERAL OFFICES
99-117 North Eleventh St.
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Symbol of Quality

THIS NYQ LABEL CARRIES WITH IT SIXTY-SEVEN YEARS OF EXPERIENCE

Tanning Materials Restrictions Relaxed

OPD Washington Bureau

Restrictions on the use of vegetable tanning materials have been relaxed through an amendment to M-277. The amendment permits the petroleum industry to use, during 1942, 150 percent of the amount of quebracho or urunday it used in 1941. These products are used as a mud conditioner to minimize caving in drilling deep wells. A larger supply will be needed in 1943 to expedite additional drilling to increase the supply of oil.

The amendment also permits manufacturers of tannic, gallic, and pyrogallic acids to use, during 1943, 100 percent of the amount they used in 1941. Restrictions were entirely removed from cellulose sulphate by-products, commonly sold as spruce extracts.

Processor has been redefined to mean any person who consumed during 1942, or who hereafter consumes more than 21,500 tan-units of vegetable tanning materials during any calendar month. Tan-unit means one pound of 100 percent tannin as determined by the methods of American Leather Chemists Association.

Vegetable tanning materials are defined as meaning the materials and extracts, including blends and combinations thereof on the following list:

Domestic raw materials and extracts:—

California oak bark, chestnut oak bark, chestnut wood, hemlock bark and sumac.

Foreign raw materials and extracts:—

Algarobilla (pods), divi-divi (pods), gambier, hemlock bark, mangrove bark, myrobalans (nuts), quebracho wood, sumac, tara pods, tara powder, urunday, valonia beards and cups, and wattle or mimosa bark.

—O-P-D—

Tanners' Hides Diversion For Glue Needs Studied

OPD Washington Bureau

Recommendation to defer action on a suggestion, to divert some tanners' hides to hide glue manufacturers who are not obtaining sufficient stocks was taken under advisement by the adhesives unit of the Chemicals Division of WPB at a meeting of the Glue Industry Advisory Committee in Washington. The recommendation was made on the ground that such diversion of stock would only upset schedules of other companies making hide glue and having difficulty obtaining raw materials.

A drop of from 12 to 15 percent in the availability of hide trimmings and hide cuttings from the tanners was forecast because of the scarcity of hides and the necessity for tanners to use all the hides they can get for their own operations. Extracted bone glue production is expected to be curtailed, but producers will receive bones because of the need for production of steamed bone meal. Extracted bone glue and steamed bone meal are co-products from bones. In spite of indicated shortages of glue, the animal glue industry is expected to be able to take care of essential war needs, the committee was told.

—O-P-D—

Packers Antitrust Suit Remanded by High Court

OPD Washington Bureau

The antitrust case against Swift & Co., Armour & Co., Cudahy Packing Company and others brought by the government was remanded to Circuit court of appeals for the tenth circuit by the supreme court for the purpose of passing on the construction both of antitrust indictment and of the statute under which the companies were indicted.

Indictments charged that the defendants agreed among themselves to purchase lambs only on the Denver Livestock Exchange and to abandon the previous prevailing practice of making direct purchases from the producers in the country.

—O-P-D—

Burroughs, Wellcome Gets 'E'

Employees of Burroughs, Wellcome & Co., at the Wellcome Chemical Works, Tuckahoe, N. Y., were awarded the Army-Navy "E" March 10 for "great accomplishment in the production of war equipment."

Chestnut Extract Substitute

By Alfred Russell

Professor of Chemistry, University of North Carolina

(Reprinted from The Chemurgic Digest)

For many years the only large domestic source of tannin for heavy leather has been the dead wood of the common chestnut (*Castanea dentata*), and it is certain that the accessible supplies of this material will be exhausted in a few years. In addition to providing a source of tannin, considerable amounts of leached chestnut wood are pulped and converted into cheaper grade of paper.

Chestnut can neither reforest naturally nor can it be propagated artificially, since young growth, after a few seasons, is destroyed by the same blight which killed the trees in the original forest. It may be suggested that attempts to grow blight-resistant species have been made from the epicurean rather than the utilitarian point of view.

At the present time there are not, growing within the boundaries of the continental United States, sufficiently large quantities of any material permanently to replace the vanishing chestnut. It would be of considerable value, then, to find domestic tree species rich in tannin, suitable for forestation, and preferably of rapid growth. Simultaneously, or separately, a new source of pulpwood would also be of interest.

Tanstuffs Surveyed

With the needs indicated above deliberately in view there has been conducted for the past there years a factual survey of the sources of natural tanning materials in the southeastern United States. This survey[1] is now well on the way to completion. Some two hundred different tree species have been collected and examined for tanning. Many new and previously unreported sources have been found[2] and some of these are particularly significant.

It is desired at this time particularly to draw attention to one species that is very promising. Buttonwood (*Conocarpus erecta* L.) is a tropical and subtropical tree growing up to 70 feet in height and having a diameter, 3 feet from the ground, of about 1 foot. It reforests easily by natural seeding and new growth from old root stock. Although it grows naturally in damp salina land, buttonwood thrives many feet above the water table; it does not have the banyan habit. It is very similar in appearance to white-mangrove, also called white-buttonwood (*Laguncularia racemosa* Gaertn. f.) In a practical way the two may be readily distinguished at all times by the appearance of the bark—buttonwood bark is dark colored, scaly, and fibrous; white-mangrove bark is light in color, or mottled light and dark, close and neither scaly nor fibrous. Owing to the similarity in the leaves of the two species, exact botanical differentiation can only be made when flowers or fruits are present.

In the continental United States buttonwood occurs only in the subtropics near the coast (peninsular Florida, coastal hammocks, Florida keys, Evergrade keys). It is found in Mexico, Central America, tropical and subtropical South America, and West Indies. In British Honduras it is known as the Zaragoza-mangrove.

Both wood and bark are rich in tannin; the tannin content of the wood is about 8 percent and of the bark about 20 percent. Both leach readily; using six units in a battery operating on the counter-current principle at a temperature between 60° and 80° C, extraction is very good. In both cases the dilute liquor from the extractors can be concentrated (vacuum) readily to commercial strength. Both final extracts have a good color and contain no insoluble material that does not disperse readily.

Buttonwood's Characteristics

Drum tannages were run with both extracts on pickled calfskin. The wood extract gives a firm, well filled, tough, and strong piece of leather. Its color is light pinkish cinnamon. The leather made with the bark extract is exactly similar in quality; its color is pinkish buff. In other words, the bark leather is just slightly darker than the wood leather.

It is evident that buttonwood is a rich source of tannin. Moreover, since both wood and bark contain tannins that give similar leather (differing only slightly in color and not at all in quality), to make a commercial extract the entire tree could be chipped and the natural mixture of wood and bark leached. The tan content of the mixture is above 10 percent, which is somewhat better than that of the chestnut now available. Moreover, since buttonwood has a density of about 0.973 as compared to 0.454, for chestnut, cord for cord, buttonwood will yield more than twice as many tan units as chestnut.

To examine experimentally the possibility of using wood and bark together there was prepared in the usual way some 20 pounds of extract of whole buttonwood (wood and bark natural mixture) at about 20 percent tans. The etxract had a good color and a high degree of purity (84 percent). Exact comparison tannages with commercial chestnut and commercial quebracho extracts were run in the following way. Two pickled calfskins were split down the backbone; the two left halves were tanned with buttonwood, one right half with chestnut and the other with quebracho. The buttonwood leather is heavier, better-filled, mellower, and lighter in color than the chestnut leather; it is heavier, tougher, stronger, equally well filled, but not so soft as the quebracho leather. The findings on buttonwood in this laboratory, both as to tannin content and leather forming properties, have been verified by interested commercial extract makers and tanners. The commercial tanning tests were run on bated stock and so made exact comparison with heavy leather practice.

Availability of Buttonwood

At the present time large commercial quantities of buttonwood are not available within the continental United States but enough could be obtained to help materially the present day shortage of tannin for heavy leather. Large quantities must occur deeper in the sub-tropics and could be made available if the need should become very great.

Preliminary pulping tests have shown that leached buttonwood chips are suitable for papermaking, although the pulp is dark in color and difficult to bleach.

In addition to providing a probable immediate source of tannin to meet an emergency, buttonwood in the future offers distinct possibilities as a source of domestic tanning materials through proper forestation. To examine this possibility, in March, 1942, 500 young buttonwoods from 2 feet to 4 feet were planted in a suitable section of the Everglades some 30 miles from the Gulf of Mexico, 60 miles from the Atlantic coast and about the same distance from Cape Sable. After a year the buttonwood shows 100 percent survival, in spite of great extremes of drouth and rain. There has been an average limb growth of 18 inches and a diameter growth of three-quarters of an inch. This small stand of buttonwood is spread over an area of about 5 acres and is partly protected by a natural growth of Caribbean pine. At least 4,000,000 acres of land exactly similar to that used in this experiment are available for forestation.

Summary

1. Buttonwood (*Conocarpus erecta* L.) is a practical source of natural tannin which is present both in the wood and in the bark. It occurs in the subtropical United States, Mexico, Central America, South America, and the West Indies.

2. Wood and bark can be leached together and the final extract gives leather, both on pickled and bated stock, that compares favorably with leather made from commercial quebracho and chestnut extracts.

3. There is enough buttonwood accessible in the subtropical United States noticeably to help meet the present shortage of tanning materials for heavy leather. Much more must be in sight farther in the tropics.

4. Buttonwood grows naturally in salina land near the coast, but a successful forestry experiment on suitable land far from the ocean has shown that it needs neither salt nor brackish water to thrive.

5. It grows rapidly and reforests naturally and easily by seeding and by sucker growth from old root stock.

1. Sponsored by the General Education Board of the Rockefeller Foundation.
2. For a full account of this work see Russell et al, Journal of the American Leather Chemists Association, XXXVI, 340 (1942) et seq.

U.K. to Get Major Part Of N.A. Conc. Phosphates

OPD Washington Bureau

The major part of the North American production of concentrated phosphate fertilizers has been allocated to the United Kingdom on the recommendation of the Combined Food Board, it was announced March 15 by the Department of Agriculture. The action will not affect the supply of superphosphates available to farmers in the United States, it was stated, since this country produces an export surplus of phosphates. The allocation applies only to concentrated superphosphates.

No figure of the actual percentage of the concentrated superphosphates allocated to the United Kingdom is available at this time, the department explained. Only the principle was agreed upon that the United Kingdom is to get the "major part" of the North American production of the material. The board has asked its committee on United Kingdom Agricultural Production to prepare a program for the

—Continued on page 55

—O-P-D—

Arsenical Supply Certain for Agriculture

Government allocation of white arsenic are sufficiently heavy to absorb production, and the outlook suggests a heavy consumption through the Summer months. Advances in the price of cotton have placed the planter in a favorable position to buy calcium arsenate and the extent of purchases will be governed by weather conditions and the extent of infestation by the bollworm. Spraying as a matter of insurance may be greater than in recent years.

Shipments of arsenic to manufacturers of insecticides are being made in tankcars and also in hopper-bottom cars. The former are siphoned out similar to the removal of cereals. This makes it possible to move the tank close to the processing operation which saves both time and labor.

Extensive use of white arsenic for war requirements is placing a limit

—Continued on page 31

—O-P-D—

Cuban Business Tax Increase Is Asked

An annual tax of three dollars for each one thousand dollars of capital computed at its real value and employed by foreign and domestic companies or enterprises for business operations in Cuba has been recommended to the Cuban Congress by President Batista, according to the Department of Commerce. In addition to the existing profit taxes, the President recommended that foreign and domestic companies and enterprises be required to pay an additional tax of 15 percent on profits in excess of 10 percent of their real capital. A tax payable only once of ten one-hundredths of one percent of the par value of registered shares of all companies doing business in Cuba was also recommended.

—O-P-D—

Blackstrap Molasses Price Procedure Set

OPD Washington Bureau

Sellers of cane blackstrap and beet sugar final molasses electing to price their car lot sales on the basis of March sales under the General Maximum Price regulation instead of under the alternative prices embodied in Supplementary Regulation No. 14 to that order must also price their less-than-car lot sales by the same method, the Office of Price Administration has ruled.

Similarly, those sellers using the alternative pricing method for tank car lot sales must also price their less-than car lot sales by reference to the alternative method.

OPD—3-22-1943

TOTAQUINE MERCK

an official U.S.P. Antimalarial

THE Sub-Committee on Scope of *The United States Pharmacopoeia* has designated Totaquine as an official antimalarial to replace Quinine and other salts of Cinchona. Totaquine now is official in the U.S.P. XII.

Totaquine Merck, U.S.P. XII, is a mixture of alkaloids from the bark of *Cinchona succirubra* Pavon and other suitable species of Cinchona. It contains not less than 7 per cent and not more than 12 per cent of anhydrous quinine, and a total of not less than 70 per cent and not more than 80 per cent of the anhydrous crystallizable Cinchona alkaloids.

Totaquine powder may vary somewhat in color, but generally is brown. Those accustomed to the pure white appearance of Quinine powder need not be disturbed by the color of Totaquine, as this has no bearing on the therapeutic properties of the drug. Totaquine is odorless and has a bitter taste. It is practically insoluble in water, but is readily soluble in dilute mineral acids. It is neither hygroscopic nor efflorescent, and is not appreciably affected by light. The incompatibilities of Totaquine are similar to those of Quinine Sulfate, but Totaquine is not incompatible with alkali, calcium or magnesium carbonates, or their oxides, or hydroxides.

Specializing in the extraction and manufacture of Cinchona products for more than 100 years, we guarantee Totaquine Merck to meet all U.S.P. requirements, and we shall gladly supply any technical information requested by customers formerly using Quinine salts, and who now desire to use Totaquine in replacement.

Totaquine Merck, U.S.P. XII, is supplied in containers of 100 oz. and 25 oz.

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

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Current Market Quotations Chemicals and Related Materials

March 19, 1943

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., fib. dms., 5,000 lbs. a year, works..lb. .26 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works..lb. .50 - —

Acetanilide, tech., cryst., bbls.lb. .20 - .21
powd., bbls. .....lb. .27 - .29

USP, cryst., bbls., 2,000 lbs..lb. .36 - —
smaller lots .....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots .....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots .....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —

Acetoacetanilide, bbls., fib. dms., 75-lb. lots..lb. .49 - —
smaller lots .....lb. .67 - —

Acetone, CP,[2] dms., c.l., divd. E.[6] .....lb. .08¼- —
l.c.l., divd. .....lb. .09 - —
tanks, divd. .....lb. .07 - —

* OPA ceiling for Eastern territory (the State of New Mexico, Colorado, Wyoming, Montana and all States east thereof); ceilings ½c. per lb. higher for Western territory (all other States of the United States).

Acetonitrile, dms., c.l., works..lb. .75 - —
10-dm. lots, same basis....lb. .90 - —
5-dm. lots, same basis....lb. 1.00 - —
5-gal. lots, same basis....lb. 1.35 - —
less than 5-gal. lots, same basis..lb. 1.50 - —

Methyl (see M).

Acetophenetidin, bbls., kgs., 1,000 lbs...lb. 1.09 - —
dms., 50 lbs. .....lb. 1.09 - —
25 lbs. .....lb. 1.10 - —

Acetophenone, dms., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —

Acetic,[1] com'l or refined, 99%, bbls..100 lbs. 3.88 - 3.93
56%, bbls. .....100 lbs. 5.58 - 5.63
70%, bbls. .....100 lbs. 6.68 - 6.93
80%, bbls. .....100 lbs. 7.47 - 7.72
glacial, nat., CP, chys.100 lbs.12.50 -13.75
99.5%, bbls. .....100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.90 - —
USP, chys.....100 lbs.11.70 - —
synth., CP, dms., works, 100 lbs.12.50 -13.50
99.5%, bbls., works.100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.25 - 6.90
USP XII, dms., works, 100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.44 - 4.69
56%, bbls. .....100 lbs. 4.66 - 5.11
60%, bbls. .....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.61

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11¼- —
l.c.l., dms., frt. alld....lb. .13 - —

Acetylsalicylic,[3] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment points*..lb. .45 - —
100-lb. kgs., same basis..lb. .45 - —
25-lb. dms., same basis..lb. .46 - —
5-lb. ctns., same basis...lb. .59 - —
†1-lb. ctns., same basis...lb. .61 - —

Standard USP, fine cryst., gran. (20-40 mesh), powd. (60 mesh), 200-lb. bbls., same basis..lb. .40 - —
100-lb. kgs., same basis..lb. .40 - —
25-lb. dms., same basis...lb. .41 - —
5-lb. ctns., same basis...lb. .54 - —
†1-lb. ctns., same basis...lb. .56 - —

*Freight equaled, shipment identical quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.

† 3c. per lb. may be added for acid packaged in canisters, and 6c. per lb. when packaged in 1-lb. bots.

Adipic, fib. dms., works....lb. .31 - —
Anthranilic, resub., bbls....lb. 1.30 - 1.35
tech., bbls. .....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .32 - .33
Ascorbic,[3,6] 1,000-ozs., dms...ozs. 1.00 - —
500-oz. lots, dms.....ozs. 1.01 - —
100-oz. lots, bots.....ozs. 1.01 - —
50-oz. lots, bots.....ozs. 1.04 - —
25-oz. lots, bots.....ozs. 1.07 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.90 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up...lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
999 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
999 lbs. or less.....lb. .59 - .60

Acid, boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld., ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse...ton.116.00 - —
bbls., c.l., frt. alld....ton.100.00 - —
ton lots, ex whse....ton.121.00 - —
less than ton lots, ex whse...ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse....ton.116.00 - —
less than ton lots, ex whse...ton.121.00 - —
bbls., c.l., frt. alld....ton.114.00 - —
ton lots, ex whse....ton.126.00 - —
less than ton lots, ex whse...ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Caeodylic, 5-lb. bots.....lb.22.00 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[5] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .08 - —
5-dm. lots, works.....lb. .08¼- —
single dms.....lb. .04½- —
tanks, works.....lb. .02¼- —
Chromic,[6,7] 99½-99¾%, dms., c.l., div.d N.Y..lb. .16¼- —
l.c.l., 5 tons, divd. N.Y..lb. .16¾- —
smaller lots, divd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.50 - Nom.
Citric,[1] crys., gran., bbl., c.l., lb. .20 - —
10,000 lbs., one ship....lb. .20¼- —
200-10,000 lbs.....lb. .21 - —
100 lbs., dms. or kgs..lb. .21½- —
50 lbs., dms. or ctns..lb. .23 - —
25 lbs., dms. or ctns..lb. .24 - —
5 lbs., in 5-lb. cont...lb. .29 - —
anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., one ship't..lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ¼c. higher than on granular. Keg packing is ½c. higher than barrels. Prices arre f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil,[5] dist., dms.....lb. .18½ Nom.
Cottonseed oil,[5] dist., dms....lb. .14 - .14½
tanks .....lb. .13½- —
Cresylic (cont.star.), 97% 50% (210°-215°), low boil (50% 204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .93 - —
tanks .....gal. .75 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10¼- —
l.c.l., 25 cbys. up.....lb. .11 - —
1-24 cbys.....lb. .11¼- —
Fumaric, tech., ton lots, bbls.lb. .27 - —
smaller lots, bbls., dms..lb. .28 - .31
Gallic, NF VII, bbls., 20 lbs., 5 or more..lb. 1.27 - —
less than 5.....lb. 1.30 - —
fib. dms., 25 lbs.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.13
Gamma, bbls.....lb. .65 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
100 lb. kgs.....lb. .15 - —
50-lb. dmjn.....lb. .21 - —
25-lb. dmjn.....lb. .23 - —
5 lb. bots.....lb. .29 - —
H, bbls.....lb. .30 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, dil., 10%, cbys.lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
Hydrofluoric, 30%, lead cbys., frt. alld..lb. .09 - —
rubber dms., same basis..lb. .09 - —
wooden bbls., same basis.lb. .08 - —
49%, lead cbys., same basis..lb. .12 - —
rubber dms., same basis...lb. .11 - —
52%, lead cbys., same basis..lb. .13 - —
rubber dms., same basis...lb. .12 - —
60%, lead cbys., same basis..lb. .14 - .16¼
rubber dms., same basis...lb. .13 - .16¼
steel dms., same basis...lb. .13 - —
Hydrofluosilicic, 30-33%, bbls..lb. .08 - .09
Hypophosphorous, USP, 30%, dms..lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12¼- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24½- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 2.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works, 100 lbs. 6.80 - —
l.c.l., bbls., works, 100 lbs. 6.85 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works, 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.75 - —
cbys., works.....100 lbs. 8.75 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech, dms.....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[5] light, dms.....lb. .21¼- .21¾

Acid, maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .06 - .06
sulphuric unit.....lb. .0065- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.80 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works..100 lbs. 1.75 - —
22°, cbys., c.l., E. works..100 lbs. 2.25 - —
CP, dealer, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[4] 220 - 230 acidity, dms., c.l., works..lb. .12 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —
Nicotinic, 1,000-lb. lots, dms.lb. 5.00 - —
100-lb. fib. dms.....lb. 5.15 - —
50-lb. fib. dms.....lb. 5.25 - —
25-lb. fib. dms.....lb. 5.30 - —
5-lb. tins.....lb. 5.40 - —
1-lb. bots.....lb. 5.50 - —

Nicotinic, amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works....100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works....100 lbs. 6.00 - —
42°, cbys., c.l., E. works....100 lbs. 6.50 - —
CP, USP, dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Sulphuric fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. or over....lb. .11¼- —
smaller quantities....lb. .12¾- —
Palm oil,[5] white dist., dms...lb. .13 - .13½
tanks .....lb. .12¾- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.85 - 2.00
Phosphoric, pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald., 100 lbs. 4.85 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25- 7.25
tankwagon, divd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald., 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagons, divd. N. Y., Phila., Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys., to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys., to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .13 - —
tanks, works.....lb. .14 - —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.62 - —
USP, crys't., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E.gal. .26 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic,[1] tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, tech., bbls., works..lb. .65 - .69
Soybean oil,[5] dist., dms....lb. .17¾- .18½
Stearic,[5] double-press., bgs..lb. .15 - .16
single pressed, bgs.....lb. .14½- .15½
triple pressed, bbls.....lb. .18 - .19
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric,[6] 60°, cbys., c.l., E. works...100 lbs. 1.25 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works....100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
93°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic,[3] tech., bbls., dms...lb. .71 - .75
USP, fluffy, bbls., 1,000 lbs..lb. 1.33 - —
100-lb. lots.....lb. 1.35 - —
25-lb. lots.....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one ship't.lb. .70½- —
smaller quantities....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls. .....lb. 1.55 - 1.60

Acranitine, amorph., bots.....oz.28.00 -38.00
15-gr. vials.....vial. 1.00 - —
cryst., bots. .....oz.42.00 -48.00
15-gr. vials .....vial. 1.00 - —

Acrylonicrtile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae,[3] USP, anh., dms.lb. .30 - .33
hyd., dms.....lb. .29 - .33

Agar,[6] dom.....lb. 3.80 - —
San Diego, Cal.....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dms., Chi....lb. .63 - .70
soluble, dried, c.l., Chi....lb. .13¼- —
bg. lots, same basis....lb. .15 - .20
imported, bgs. .....No prices.

Egg, ed., dom., cryst., bbls..lb. 1.75 - 1.76
powd., dom., bbls.....lb. 1.81 - 1.86
tech., cryst., bbls.....lb. 1.60 - 1.65
import, cs. .....lb. No prices.

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld.' E. of Miss. R...lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
tertiary, refd., dms., l.c.l., frt. alld. E. of Miss. R..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] dms., c.l., frt. alld., *East..lb. .11⅝- .13¼
l.c.l., frt. alld.....lb. .12¼- .15⅝
tanks, frt. alld.....lb. .10⅝- .14¼

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory means all other States of the United States.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same terms.....lb. .096 - —
tanks, same terms.....lb. .083¼- —
tertiary, denat., c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 3.00 - —

Denatured,[1,6] CD14, dms., c.l., divd. E..gal. .54½- —
19 dms., wks., E. ..gal. .56½- —
1 to 18 dms., wks., E..gal. .58½- —
CD14, tanks, E., divd....lb. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works. gal. .67 - —
tanks, E. works.....gal. .60 - —
Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., wks, E.gal. .60 - —
19 bbls., works, E..gal. .62 - —
1 to 18 bbls., works, E. gal. .65 - —
tanks, E. works.....gal. .48 - —
CD28G (replaced by SD28H).
SD28H, works, c.l., bbls....gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .65½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. wks..gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works...gal. .62 - —
Tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., wks. gal. .53½- —
19 dms., to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11¼- .14¼
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¼- .13¼
tech., dms., c.l., divd....lb. .11 - .13¼
l.c.l., divd.....lb. .11¼- .14
tanks, divd.....lb. .10 - .12½

Ethyl,[1] 190 pf., dms., c.l..gal.11.94½- —
19 dms.....gal.11.98 - —
1 to 18 dms.....gal.12.01 - —
tanks .....gal.11.90 - —
absolute, dms., c.l.....gal.11.90 - —
19 dms.....gal.12.89½- —
1 to 18 dms.....gal.12.66 - —

Grain alcohol is 10c. per gallon more than the above prices on molasses alcohol.

Ethylhexl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —

Furfuryl, tech., cns., works...lb. .35 - —
dms., c.l., 83,000 lbs., works, lb. .22½- —
l.c.l., 600 lbs. up, wks..lb. .25 - .35
tanks, wks.....lb. .20 - —

Isoamyl (see Carbinol Isobutyl).
Isobutyl,[2] refd., dms., works.lb. .0660- —
tanks, same basis.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .59 - —
l.c.l., same basis...gal. .63½- —
tanks, frt. alld.....gal. .54 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .44 - —
l.c.l., same basis...gal. .47 - —
tanks, same basis.....gal. .37½- —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling
[2]—Price Agreement
[3]—Full Priority Control
[4]—Industry Control
[5]—General Limitation Order
[6]—Allocation

Alcohol, methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls...lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis...lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dm. wks..gal. .67 - .70
Octyl (see Ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, 8,000 lbs., f.o.b. Waverly, N. Y...lb. .44 - —
475-lb. lots, same basis...lb. .50 - —
car lots, wks.....lb. .40 - —
cns., Cedar Rapids, Ia...lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, 35 and 110 gal., dms, wks. lb. .13 - —
5-10 gal., dms., wks.....lb. .15 - —
denat. grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. .70 - .85
Algin, fib. dms.....lb. .79 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. 1.75 - 1.80
Allspice,[1] Mexican, bgs.....lb. .22 - .28
Alpha tocopherol, amp.....gram. 1.00 - 1.50
Aloe, Cape, cs.....lb. .24 - .25
Curacao, kgs.....lb. .70 - .75
Socotrine, kgs.....lb. .60 - .61
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, whole, bbls.....lb. .85 - 1.35
Alum, ammonia,[4] burnt, USP, bbls., kgs...lb. .16 - .18
gran., bbls., works...100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works...100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works...100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlantic, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., wks.....
100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works...100 lbs. 4.50 - —
dlvd., N. Y.....100 lbs. 4.50 - —
powd., bbls., works...100 lbs. 4.65 - —
dlvd. N. Y., Phila..100 lbs. 4.65 - —
Potash alum prices on same basis as those for ammonia alum.
Chrome, bbls.....lb. .12½ - .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, solut., basic 24%, c.l., bbls.,10 up, dlvd..lb. .10½ - —
1 to 9, dlvd.....lb. .11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd..lb. .09½ - —
1 to 9, dlvd.....lb. .10 - —
Chloride, anhyd.,[6] com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,160 to 40,000 lbs., wks..lb. .09 - —
1,100 to 11,000 lbs., works..lb. .10 - —
140 to 375 lbs., works.....lb. .11 - —
100 lbs. or less, works.....lb. .12 - —
cryst., com'l, dms., c.l., works, l.c.l., works.....lb. .06½ - .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bbls., wks..lb. .0340 - —
l.c.l., bbls., works.....lb. .04 - —
bgs., c.l., works.....lb. .1310 - —
light, 50-lb. bgs., dlvd.....lb. .14½ - —
80-lb. bbls., dlvd.....lb. .15 - —
Hydroxide gel, USP purity, conc., 9-9½% Al_2O_3, fib. dms., wks..lb. .17¾ - —
contract, wks.....lb. .16¾ - —
14-15% Al_2O_3, fib. dms.lb. .20¾ - —
contract, wks.....lb. .19¾ - —
dried, USP XII, fib dms., works..lb. .78 - —
contract, wks.....lb. .75 - —
powd., USP IX, fib dms...lb. .15 - .19
Oleate, dms., contra.....lb. .24½ - —
Palmitate, precip., bbls.....lb. .25 - .26
Resinate, precip., dms.....lb. .15½ - —
Stearate, precip., bbls., c.l.lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald., 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works.....100 lbs. 2.00 - 2.10
Aluminum, 98-99%,[2,3,4] c.l....lb. .15 - —
l.c.l. .....lb. .16 - —
paste,[4] lining, extra fine, 200-lb. dms..lb. .56 - .69
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .58 - —
powdered,[6] lining, extra fine, 150-lb. dm..lb. .93 - —
litho, 150-lb. dm.....lb. .87 - —
standard, 200-lb. dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., 250-lb. dm., lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder, and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 17.00 - 18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, f.o.b. Belle, W.Va., frt. equal. with Hopewell, Va..ton. 90.00 - —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd. Met., N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼ - —
dms., c.l.....lb. .02¾ - —
l.c.l. .....lb. .02½ - —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, refined, dms., kgs., frt. alld., 4,000 lbs. up..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Ammonia, bicarbonate, dms..lb. .0539 - .0614
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs....lb. .1080 - —
powd., bbls., kgs.....lb. .1130 - —
Bromide, NF, 450-lb. bbl....lb. .31 - .35
100-lb. dms.....lb. .32 - .34
50-lb. dms.....lb. .33 - .35
25-lb. dms.....lb. .34 - .36
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .06¼ - .09¼
cns., same basis.....lb. .14½ - .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .11 - .13
100-lb. kgs.....lb. .15 - —
Citrate, dibasic, 250-lb. bbls.lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, cbys.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars.....lb. 1.30 - 1.35
Iodide, NF, 5-lb. bots.....lb. 3.71 - —
25-lb. jars.....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., ref'd, cryst., kgs..lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate, fertilizer grade, mixture with limestone, 34% nitrogen, f.o.b. Ft. Robinson, Ontario...ton. 56.65 - —
tech., bgs., works...100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.85 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbl., kg., lb. .27 - .33
Perchlorate, kgs.....lb. .35 - .65
Persulphate, kgs., dom.....lb. .25½ - .28½
Phosphate, dibasic, NF V, bbl., kg..lb. .31 - .50
tech., bbls., c.l. .....lb. .07¼ - —
l.c.l. .....lb. .08¾ - .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices.
pure, bbls.....lb. .40 - .45
tech., bbls., c.l. .....lb. .07¼ - —
l.c.l. .....lb. .08¾ - .09¼
Salicylate, N.F., dms., kgs.lb. 1.15 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, anhydrous .....lb. .24½ - —
paste .....lb. .06½ - —
Sulphamate, 2 bbls. up, wks..lb. .18 - —
2 to 5 bbls., works.....lb. .20 - —
single bbls., works.....lb. .24 - —
smaller lots, works.....lb. .29 - —
Sulphate,[1,6] dom., bulk, f.o.b. cars at any one of 45 inland producing ovens..ton. 28.20 - —
f.o.b. cars, at any one of 21 Atlantic Coast ports, ton. 29.20 - —
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works...lb. .07¼ - —
l.c.l., dlvd. .....lb. .15 - —
tanks, dlvd. .....lb. .07½ - —
red, 48%, cbys., works.....lb. .08 - —
dms., works .....lb. .06 - —
yellow, 35%, cbys., works...lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .43 - .97½
tech., bbls. .....lb. .17 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., works..100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12 - .18
l.c.l., dlvd. .....lb. .12½ - .17½
tanks, dlvd. .....lb. .11½ - .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½ - —
l.c.l., same basis.....lb. .16½ - —
tanks, same basis.....lb. .14½ - —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal.....lb. .75 - .90
Caproate, cns. .....lb. 2.75 - —
Chloride, mixed, tech, dms., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½ - —
l.c.l., works .....lb. .10¾ - —
tanks, works .....lb. .08½ - —
Nitrite, bots. .....lb. 1.30 - 1.85
Mercaptan, dms., l.c.l., wks.lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .31 - —
Salicylate, 5-lb. bots. .....lb. .85 - 1.25
Stearate, dms., l.c.l., works..lb. .32½ - —
Amylene, dms., c.l., works....lb. .10¼ - —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09 - —
Amylnaphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, bots. .....lb. 2.35 - 2.40
cans .....lb. 2.25 - 2.30
Angelica root, dom., bls.....lb. .35 - .50
import, natural, bls.....lb. 4.25 - —
Angostura, bark, bls.....lb. .20 - .21
Anilin oil,[6] dms. .....lb. .15 - —
l.c.l., ...lb. .16 - —
tanks .....lb. .12½ - —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .37 - .38
Ecuador, bgs. .....lb. .33 - .34
Mexican, bgs. .....lb. .29½ - .30
Spanish, bgs. .....lb. .37½ - .38
Star .....lb. .44 - .45
Syrian, bgs. .....lb. .28 - .29
Turkish, bgs. .....lb. .34½ - .35
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto paste, bxs.....lb. .34 - .39
seed, bgs. .....lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls...lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4] bulk, c.l., works..lb. .14½ - —
Needle, brown, Bolivian, 67%.lb. .18½ - —
Chinese, black, 70%.....lb. .20 - .22
Oxide,[6] bgs., c.l. .....lb. .15 - —
l.c.l. .....lb. .15½ - —
Salt, 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide, 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½ - —
Antipyrene, bbls., kgs., tons..lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.20
Apomorphine, bots. .....oz. 23.20 - 23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .25 - .30
Arecoline, hydrobromide, cs..lb. 11.25 - 11.50
Argols, test 70% to 85% basis, 100%, 100 kgm. purity, f.o.b. Spanish ports..100 kilos. 105.00 - —
Argentine, f.o.b. N. Y.....kilo. 132.00 - 134.00
Arnica flowers, bls.....lb. 2.75 - 3.00
Root, bls. .....lb. 1.00 - 1.25
Arrowroot, St. Vincent, bgs...lb. .09½ - .10
bbls. .....lb. .10 - .10¼
Arsenic,[4] metal, lump, c.l.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs. .....lb. No prices
Trioxide (see Acid, arsenous).
Trisulphide, l.c.l., works...lb. .30 - .35
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾ - —
Asafetida, cs. .....lb. .53 - .60
powd., cs. .....lb. .80 - .85
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines, ton. 49.50 - —
5R, bgs., same basis.....ton. 44.00 - —
6D, bgs., same basis.....ton. 33.00 - —
7D, bgs., same basis.....ton. 28.50 - —
7F, bgs., same basis.....ton. 26.50 - —
7H, bgs., same basis.....ton. 22.50 - —
7K, bgs., same basis.....ton. 19.00 - —
7M, bgs., same basis.....ton. 16.50 - —
7R, bgs., same basis.....ton. 15.50 - —
Asphaltum Manjak No. 10, crude, wks..lb. .05¼ - .12
process form, bgs., wks.lb. .05¾ - .13
jet, bgs., 2,000 lbs., gross weight lots, bgs., f.o.b., Colorado shipping point. ton. 30.00 - —
Barbadoes, Dunellen, N. J..lb. .10¼ - —
California, dms., c.l., N.Y. ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 40.00 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., N.Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, 340 F. fusing point, bgs., gross weight, f.o.b. western shipping points....ton. 32.00 - —
seconds, 370-390 F. fusing point, not uniform, same basis .....ton. 25.50 - —
brilliant, selects, 390-395 F. fusing point, same basis, ton. 30.50 - —
270 F. fusing point, same basis .....ton. 30.50 - —
seconds, 360-380 F. fusing point, not uniform, same basis .....ton. 25.50 - —
jet, 2,000 lbs. gross weight lots, bgs., f.o.b. Colorado shipping point..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 21.00 - —
l.c.l., refinery.....ton. 21.00 - 23.00
tanks, refinery .....ton. 16.00 - —
Atropine, bots. .....os. 15.00 - —
Sulphate, bots. .....oz. 3.25 - —

B

Balm of Gilead buds, bgs.....lb. .63 - .64
Barbasco root,[12] (see cube root).
Barberry bark, bgs.....lb. .78 - .80
Tree bark, bls.....lb. No stocks
Barbital, cs., dms.....lb. 3.50 - 3.60
sodium, cs. .....lb. 3.75 - —
Barium carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton. 42.00 - —
precip., bgs., c.l., works..ton. 55.00 - —
l.c.l., works.....ton. 60.00 - —
bbls., c.l., works.....ton. 60.00 - —
l.c.l., works.....ton. 65.00 - —
sulphur-free, c.l., works...ton. 60.00 - —
l.c.l., works.....ton. 65.00 - —
Chlorate,[6] kgs.....lb. .22 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., Zone 1, bgs., c.l., dlvd..lb. 77.00 - —
l.c.l., dlvd.....lb. 90.00 - —
bbls., c.l., dlvd.....lb. 79.00 - —
l.c.l., dlvd.....lb. 92.00 - —
Zone 2, bgs., c.l., dlvd...lb. 81.00 - —
l.c.l., dlvd.....lb. 94.00 - —
bbls., c.l., dlvd.....lb. 83.00 - —
l.c.l., dlvd.....lb. 96.00 - —
Zone 3, bgs., c.l., dlvd...lb. 87.00 - —
l.c.l., dlvd.....lb. 100.00 - —
bbls., c.l., dlvd.....lb. 89.00 - —
l.c.l., dlvd.....lb. 102.00 - —
Zone 4, bgs., c.l., dlvd...lb. 83.00 - —
l.c.l., dlvd.....lb. 97.80 - —
bbls., c.l., dlvd.....lb. 88.00 - —
l.c.l., dlvd.....lb. 99.80 - —

Barium chloride, technical zones are as follows:—Zone 1, New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Ill. Wis., Ky., and principal cities on west bank of Miss. R., north of Miss., north of Ark., line. Zone 2. Tenn., No. and So. Carolina, Ga., Ala., Miss., and Fla. Zone 3. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah and Ariz. Zone 4. Wash., Ore., Calif., and Nev.

Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots. .....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, cks. .....lb. .11 - .12
Oxide, ungrd., dms., c.l., wks. lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns. (50 lbs. each), ton and carload lots..lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. .....lb. .06¼ - .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis.....ton. 28.65 - —
ex whse., N. Y.....ton. 36.00 - —
paper bags., c.l., St. Louis, ton. 25.35 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse. N. Y.....ton. 34.00 - —
Southern off color, bgs., mines..ton. 17.50 - —
off 75%, bgs., mines.....ton. 18.00 - —
ore, bulk, mines.....ton. 8.00 - —
German .....ton. No prices
Italian .....ton. No prices
Bauxite,[6] bulk, mines.....ton. 7.00 - 10.00
Bay leaves (see Laurel leaves).
Bay rum, bbls. .....gal. 1.40 - 1.50
Bayberry bark, bgs. .....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.48 - 1.65
Root, bls. .....lb. .90 - 1.00
Bentonite, 200 mesh., bgs., Wyo. works..ton. 11.00 - —
325 mesh, bgs., Wyo., works... ton. 16.00 - —
Benzaldehyde, tech., cbys., dms. lb. .45 - .55
NF VII, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs. .....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns. .....lb. 3.20 - 3.55
Benzol,[2,6] 90%, dms., returnable, works..gal. .20 - —
tankcars, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .22 - .24
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns...lb. .50 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns. .....lb. 5.15 - 5.50
Formate, cns. .....lb. 3.50 - 3.75
Isoeugenol, bots. .....lb. 9.50 - —
Propionate, bots. .....lb. 4.00 - —
Salicylate, bots. .....lb. 1.90 - 2.15
Bensylidineacetone, bots.....lb. 3.00 - 3.25
Berberine bisulphate, cns.....fb. 22.50 - 38.50
Hydrochloride, cns.....lb. 22.50 - 38.50
Sulphate, cns. .....lb. 22.50 - 38.50
Berberis root, bls. .....lb. .13 - .14
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works....lb. .35 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls. .....lb. .32 - .35
Bismuth[6] chloride, 5-lb. bots..lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal,[6] ton lots.....lb. 1.26 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs. .....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms. .....lb. 3.40 - —
Subcarbonate, bots., cns....lb. 1.52 - 1.68
175-lb. bbls., dms. .....lb. 1.50 - —
X-ray, 5-lb. bots. .....lb. 2.79 - —
fib. dms. .....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.53
fib. dms. .....lb. 1.40 - 1.43
Subiodide, bots. .....lb. 4.24 - —
fib. dms. .....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.23 - —
250-lb. bbls., dms. .....lb. 1.20 - —
Subsalicylate, 60-66%, bots..lb. 2.59 - —
bbls., fib. dms. .....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots..lb. 3.76 - —
fib. dms. .....lb. 3.66 - —
Trioxide, powd., 5-lb. bots..lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns. .....lb. 3.45 - 3.50
Black,[6] acetylene, imp., c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l. .....lb. .17 - —
l.c.l. .....lb. .17½ - —
2, c.l. .....lb. .13 - —
l.c.l. .....lb. .13¼ - —
3, c.l. .....lb. .12 - —
l.c.l. .....lb. .12¼ - —
4, c.l. .....lb. .11 - —
l.c.l. .....lb. .11¼ - —
5, c.l. .....lb. .08½ - —
l.c.l. .....lb. .09 - —
6, c.l. .....lb. .08½ - —
l.c.l. .....lb. .09 - —
7, c.l. .....lb. .13¼ - —
l.c.l. .....lb. .12 - —
8, c.l. .....lb. .12¼ - —
l.c.l. .....lb. .13 - —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon,[6] regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .08625 - —
l.c.l., bgs., cns., f.o.b. whse..lb. .09 - —
dlvd. .....lb. .08 - —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .08550 - —
l.c.l., bgs., ctns., f.o.b. whse..lb. .07¼ - —
dlvd. .....lb. .07¼ - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½ - —
Lamp, 1, ctns., c.l., works...lb. .07¼ - —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .14¼ - —
l.c.l., works.....lb. .15¼ - —
4, ctns., c.l., works.....lb. .16¼ - —
l.c.l., works.....lb. .17¼ - —
5, ctns., c.l., works.....lb. .18¾ - —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .24½ - —
l.c.l., works.....lb. .27½ - —
7, ctns., c.l., works.....lb. .37½ - —
l.c.l., works.....lb. .40 - —
Mineral, wine type, bbls., l.c.l., f.o.b. works..lb. .0434 - —
Vine, A, bbls., works or N.Y.lb. .04½ - .05
B, bbls., works or N. Y.....lb. .05¾ - —
kegs, f.o.b. N. Y. .....lb. .06 - —
dms., c.l., frt. alld.....lb. .09½ Nom.

Black dyes not listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .41
Tree bark, bls. .....lb. .21 - .22
Black Indian hemp root, bls..lb. .20 - .26
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 60.00 - —
l.c.l., works.....ton. 67.50 - —
direct process, bgs., c.l., f.o.b. Huntington, W. Va...ton. 70.00 - —
bbls. .....ton. 75.00 - —
l.c.l., same basis.....ton. 75.00 - —
bbls., same basis...ton. 80.00 - —
pulp, 66⅔%, bbl., c.l., works..ton. 40.00 - —
l.c.l., same basis.....ton. 46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l. works.....100 lbs. 2.75 - 3.60
Blood, dried, dom., 16-16½% ammon., bgs., f.o.b. N.Y. unit-ton. 4.95 - —
high-grade, unground, 16-17% ammon., bulk, f.o.b. Chicago..unit-ton. 5.38 - —
soluble, c.l., Chi. .....lb. .13½ - —
bag lots, same basis.....lb. .15 - .20
Bloodroot, bls. .....lb. .45 - .46
Blue,[2] alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .85 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .86 - —
Celestial, bbls. .....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt,[2] genuine, 1-kilo pkg.lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld. 3.80 - 3.75
Milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, same basis, contracts, lb. .52 - —
Potash, dms., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 4.00 - —
Victoria, kgs. .....lb. 3.80 - —
Methyl violet, kgs. .....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .23 - .27
job grades, bbl., same basis lb. .12 - .13
reg. grades, bbl., same basis lb. .17 - .27

Blue, ultramarine, dlvd. ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. bgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.

Blue, Victoria ink toner, bbls., same basis, alkali toner..lb. 1.82 - —
syn. vehicle, bbls., same basis lb. 1.93 - —

Blue dyes are listed under Dyes.

Bluefag root, bls.....lb. .20 - .30

Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84

Bluestone (see Copper sulphate).

Blue vitriol (see Copper sulphate).

Bone, raw, dom., indus., Chi.ton.57.50 -65.00
junk, same basis.....ton.31.00 - —
meal, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Eastern works..ton.37.50 - —
Chicago, works....ton.39.50 - —
steamed, dom., feeding grade, 1% ammon., 60% phos., bgs., f.o.b. E. wks....ton.47.00 - —
Chicago, works....ton.51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. wks.ton.38.50 - —
Chicago, works..ton.37.00 - —

Phosphate, precip. (see Calcium phosphate tribasic precip.).

Boneset leaves, bls.....lb. .12 - .13

Borage flowers, bls.....lb. .40 - .95

Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld.....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., frt. alld....ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.66.00 - —
USP, $15 per ton higher.

Bordeaux mixt., dms., c.l....lb. .11 - —
l.c.l., dms.....lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest., in lots of 90 lbs. and over, no trucking or freight allowance for works or warehouse pickups.

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purif., ca., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35

Bromoform, USP, 100 lbs..bots. 1.50 - —

Bromstyrol .....lb. 4.50 - 5.00

Bronze powder, aluminum (see A).
Gold, litho., cns., dms.....lb. .60 - .65
moulding, cns., dms.....lb. .80 - 1.00
printing inks, cns., dms..lb. .80 - 1.20
radiator, cns., dms.....lb. .45 - .50

Broomtops, bls.....lb. .16 - .18

Brown,[2] iron oxide, pure, precip., cks., f.o.b. N.Y..lb. .12 - —

Metallic, iron oxide, bbls., wks. lb. .02½- —
paper bgs., c.l., works....lb. .0235- —

Sap, crystals, dom., works..lb. .12 - —
powdered .....lb. .13 - —

Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- .05
Italian, Amer. replacement type, bbls., f.o.b. wks.lb. .06¾- .10¾
raw, American, bbls., wks.lb. .04 - .10
Italian, Amer. replacement type, bbls., f.o.b. wks.lb. .08 - .10

Umber, Amer., bbls., works.lb. .03¾- —
Italian type, Amer. replacement, bbls., works..lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa., N. Af..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City..lb. .05¾- —
Minneapolis..lb. .0635- —
Pittsburgh..lb. .05 - —

Brown, umber, Turkey, bbls., l.c.l., ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse. Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —

Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —

Brucine, 100 oz. cns.....oz. .35 - —

Sulphate, 100 oz. cns.....oz. .30 - —

Byronia root, bls.....lb. .85 - .90

Buchu leaves, bls.....lb. .80 - .82

Buckthorn bark, true, bls.....lb. .65 - .87
cut and sifted, bbls.....lb. .85 - .97

Berries, bgs.....lb. .85 - .90

Burdock root, bls.....lb. .37 - .38

Burgundy pitch, dom., dms...lb. .06 - —

Butane,[1] industrial grade, tanks, f.o.b. Group 3..gal. .03 - .03¼

Butternut bark, bls.....lb. .08 - .09

Butyl acetate,[1] norm., dms., c.l., frt. alld..lb. .1240- .1575
l.c.l., frt. alld.....lb. .1225- .1675
tanks, frt. alld.....lb. .1115- .1475
secondary, dms., c.l., frt. pd. E. of Miss. R...lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —

Alcohol (see Alcohol).

Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —

Carbinol, secondary, l.c.l., dms., works..lb. .60 - —

Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —

Ether (see under Ether).

Lactate, dms.....lb. .26½- —

Laurate, dms., works.....lb. .42 - —

Myristate, dms., works.....lb. .41 - —

Oleate, ref'd, dms., works...lb. .35 - —
tech., dms., works.....lb. .29 - —

Phenylacetate, dms.....lb. 2.00 - 2.25

Phthalate,[4] dms., frt. alld. E. of St. Louis..lb. .20½- .21½

Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —

Stearate, dms.....lb. .21 - —

Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N.Y..lb. .60 - —

C

Cadmium bromide,[6] 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91

Iodide,[6] 5-lb. bots.....lb. 4.25 - —
25-lb. cans.....lb. 4.09 - —

Lithopone (see Yellow).

Metal,[1,4] pat., shapes, cs., dlvd..lb. .95 - —
Ingots or sticks.....lb. .90 - —

Red (see Red).

Selemide (see Red).

Sulphite (see Yellow).

Caffeine,[6] 10,000 lbs. or more, dms., containing 100 lbs..lb. 2.60 - —
dms., containing 25 lbs....lb. 2.65 - —
cns., containing 10 lbs....lb. 2.65 - —
2,000 lb. lots, dms., containing 100 lbs..lb. 2.65 - —
dms., containing 25 lbs....lb. 2.68 - —
cns., containing 10 lbs....lb. 2.70 - —
1,000 lb. lots, dms., containing 100 lbs..lb. 2.70 - —
dms., containing 25 lbs....lb. 2.73 - —
cns., containing 10 lbs....lb. 2.75 - —
100 lb. lots, dms., containing 100 lbs..lb. 2.80 - —

Caffeine, 100 lb. lots, dms., containing 25 lbs..lb. 2.83 - —
cns., containing 10 lbs....lb. 2.85 - —
less than 100 lbs., cns., containing 10 lbs..lb. 3.15 - —

Citrated, bots.....lb. 2.30 - —

Hydrobromide, bots.....lb. 5.29 - 5.37

Calabar beans, bgs.....lb. .35 - .40

Calamus root, dom., bls.....lb. .30 - .45

Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00

Arsenate,[6] bgs., c.l.....lb. .07 - .08
l.c.l.....lb. .07½- .08½
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for paint or whse. pick-up.

Bromide, 100 lbs., works, frt. equald..lb. .63 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —

Carbide,[6] dms., c.l., dlvd..... 100 lbs. 4.75 - —
l.c.l., f.o.b. whse.....100 lbs. 4.85 - —

Carbonate (see Chalk and Whiting).

Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd..ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.18.00 -21.50
15 tons, dlvd.....ton.21.45 -25.45
5-ton lots .....ton.28.45 -40.95
Calcium chloride prices vary according to zone. Car lot prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, drums $3.50 per ton over paper bags.

purified, cryst., 100-lb. lots, bbls., jars..lb. .28 - —
smaller lots, bbls., jars, bots. lb. .29 - .39

Gluconate, USP, gran., 150-lb. bbls..lb. .52 - —
dms., 1.....lb. .57 - .59
cns., ...lb. .70 - —
Powd., 2c. per lb. lower.

Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots .....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —

Hypophosphite, cns. .....p. .62 - .65

Iodide, bots., jars..... .o. 4.04 - 4.19

Lactate, USP, bbls., 200 lbs..lb. .27 - .28

Mandelate, dense, dms.....lb. 2.05 - 2.20
fluffy, dms. .....lb. 2.05 - 2.20

Palmitate, bbls. .....lb. .28 - .29

Pantothenate, dex., 100-gram bots..per gram. .50 - —

Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices.
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. or over..lb. .07 - .07¾
5 to 9 bbls., same basis, lb. .08 - .09
1 to 4 bbls., same basis, lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms. .....lb. .12½- .18

monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
less than 5 tons, same basis..lb. .06½- —

tribasic, bbls., c.l., works..lb. .0635- —
l.c.l. .....lb. .0705- .0785

Resinate, precip., bbls., ton lots, lb. .15 - —
smaller lots.....lb. .16 - —

Calcium stearate, precip., c.l..lb. .25 - —
ton lots .....lb. .26 - —
less than ton lots.....lb. .27 - .28

Sulphate (see Gypsum).

Sulphide, 70% CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —

Sulphocarbolate, 1,000-lb. lots, 200-lb. bbls..lb. .49 - —

Calendula flowers, bls.....lb. 3.25 - 3.30

Calomel,[2] bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —

Camphor, natural, powd., cs...lb. .85 - .90
slabs, cs.....lb. .85 - .90
tablets, tins.....lb. 1.25 Nom.

synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .41 - —
10 bbls. (1,500 lbs.).....lb. .42½- —
5 to 9 bbls.....lb. .44 - —
1 to 4 bbls.....lb. .45 - —
25 lbs. to 149 lbs.....lb. .47 - —
1 lb. to 24 lbs.....lb. .54 - —
USP, gran., powd., bbls., 2,000-lb. lots..lb. .68 - —
1,000-lb. lots.....lb. .69 - —
smaller lots.....lb. .70 - —
tablets, 2,000-lb. lots....lb. .81 - —
1,000-lb. lots.....lb. .82 - —
smaller lots.....lb. .83 - —

Monobromate, bulk, 100-lb. lots, lb. 3.10 - —
25 to 50-lb. lots.....lb. 3.20 - 3.25

Canada balsam (see Fir, balsam).

Canary seed,[1] Argentine, bgs..lb. No stocks

Canella alba bark, bls.....lb. .29 - .30

Cantharides, Chinese, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.45 - 2.50
Russian, cs.....lb. 6.00 - 6.25
powd., bxs.....lb. 6.25 - 6.50

Capsicum (see Pepper, red).

Caraway seed,[1] Dutch, bgs....lb. 1.10 - 1.15
Morocco, bgs. .....lb. .54 - .55
Syrian, whskered, bgs.....lb. .45 - .46

Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .73 - —
smaller quantities, works..lb. .85 - —

Carbinol, butyl, norm. (see Amyl alcohol, normal).

Diethyl, l.c.l., works.....lb. .60 - —

Dimethylethyl, l.c.l., works..lb. .60 - —

Isobutyl, dms., c.l., works...lb. .225- —
l.c.l., same basis.....lb. .235- —
tanks, same basis.....lb. .215- —

Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .06

Tetrachloride,[1,2] Zone 1, 52½-gal. dms., c.l., frt. alld.. gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
Zone 2, 5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l. frt. alld..gal .94 - —
l.c.l., frt alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —

SPOT DELIVERIES

SODIUM ACETATE

Tartaric Acid
Hydrosulfite of Soda
Caustic Soda
Cream of Tartar
Zinc Sulfate
Soda Ash
Heavy Calcined Magnesia

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Carbon tetrachloride, Zone 4, 52½-gal. dms., c.l....gal. .53 - —
l.c.l. ....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. ....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States.—Me., N. H., Vt., Mass., Conn., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kans. Zone 2 includes N. D., S. D., Neb., Kans., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the States of Wyoming, Colo., N. M., Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah, Ariz.

Cardamom,[1] bleached, cs.....lb. 1.70 - 1.80
decorticated, cs. ....lb. 1.50 - 1.60
green, Alleppey, bgs.....lb. .95 - .97
Ceylon cs.....lb. .94 - .97
Carob bean flour (see Gum, Locust bean).
Carvel, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk....lb. .26 - .28
Case hardening mixture, 50% lump, dms l.c.l. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .19 - .21
5 tons, works.....lb. .19½- .21½
smaller lots, works....lb. .19½- .21½
80-100 mesh, c.l., divd....lb. .19½- .21½
5 tons, works.....lb. .19¾- .21¾
smaller lots, works....lb. .20 - .22
Cassia,[1] Batavia, No. 1, thin quill bls..lb. .60 Nom.
No. 1, regular, bls.....lb. .58 Nom.
Shortstick .....lb. .53 Nom.
broken .....lb. .51 Nom.
China, bls., bgs.....lb. .60 Nom.
rolls, select, bls.....lb. .53 Nom.
broken, bls. .....lb. .52 Nom.
Saigon, all medium, bls.....lb. .61 Nom.
all thin, bls.....lb. .62 Nom.
Cassia, fistula, bskts.....lb. .25 - .26
Castoreum, nat., cns.....lb.12.50 -15.00
Synth., bots.....lb.19.00 - —
Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] dom., guaranteed 5½% ammon., bgs., c.l., wks.ton.19.00 - —
Catechol, resublimed, frt. alld. E. of Miss. River, 100-lb. dms..lb. 3.50 - —
Celery seed,[1] French, bgs...lb. 1.02 Nom.
Indian .....lb. .32 - .33
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, frt. alld. .....lb. .30 - —
granules, frt. alld.....lb. .35 - —
Triacetate, flake, frt. alld ..lb. .30 - —
Cerium hydrate, dms., works..lb. 80 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, 100-lb. lots, works..lb. 1.50 - —
smaller lots, works.....lb. 2.00 - —
Chalk, precipitated, drugs, dentifrices and cosmetics, c.l..lb. .02½- — paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
Chamomile, Hungary type, cs.lb. .58 - .60
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Ga., W. Va..ton.33.40 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill., Ind., Iowa, Mich., Minn., Mo., Neb., O. and Wis..ton.32.50 - —
Penn. .....ton.34.80 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[2] clarif., 25% tan., bbls., c.l., wks..lb. .0275- — tanks, works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks. ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silkbolt, 98.9%, 325 bulk, c.l., works...ton. 9.50 - —
paper bgs., c.l., works..ton.12.50 - —
Import, white, lump, bulk, ex-dock Baltimore, Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - .98
500 lbs.....lb. .96 - .98
100 lbs.....lb. .98 - 1.00
25 lbs.....lb. 1.00 - 1.02
1-10 lbs.....lb. 1.05 - 1.07
dms., 1,000 lbs.....lb. .90 - .92
500 lbs.....lb. .93 - .96
100 lbs.....lb. .95 - .97
Chlorinated rubber,[3] standard, 100 lbs. or more, works..lb. .32 - — smaller lots, works.....lb. .35 - —
Chlorine,[2,3,4] liquid, cyls., c.l., dlvd., N.Y..lb. .05¼- — contracts, dlvd. N.Y....lb. .05¼- —
l.c.l., dlvd. N.Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - — multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, works, frt. equalized.... 100 lbs. 2.50 - —
1, works, frt. equalized.... 100 lbs. 3.00 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld...lb. .82 - —
25-lb. cyls., ex-whse.....lb. 1.00 - —
1-lb. bots., case 2, ex-whse. lb. 1.25 - —
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 7% cs., bbls.....lb. .07½- —
7½% cs., bbls.....lb. .08½- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore, residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 6.03 - 6.09
Cinchona bark,[5] quill, USP, 10 in., medium, cs..lb. 1.20 Nom.
broken, quill, red, bgs..lb. .19 Nom.
yellow, bgs.....lb. .19 Nom.
Cinchonidine,[5] small, cryst., cns., 100 ozs..oz. .80 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .55 + .13½

Cinchonidine buyers must pay a surcharge of 2½c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[5] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs..oz. .66 + .13½
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½

* Cinchonine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge involved.

Cinchophen, USP, bots., 1 to 5 lbs..lb. 3.70 - 3.80
dms., 100 lbs.....lb. 3.50 - —
50 lbs.....lb. 3.55 - —
25 lbs.....lb. 3.60 - —
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Cinnamon,[1] Ceylon, 2, bls.....lb. .61½ Nom.
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.55 - 4.75
Citrine ointment,[2] jars.....lb. .96 - 1.20
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Clove,[1] Zanzibar.....lb. .20 - .20½
Clover tops, red, dom., bgs....lb. .29 - .30
Coaltar, coal-gas, crude, bbls., c.l., works..dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works..bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .06½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., 100 lbs., lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., 100 lbs., lb. 1.65 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., 100 lbs., lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., 100 lbs., lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .33
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co., 100 lbs. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.64 - —
Phosphate, feed grade, 34% Co., 100 lbs..lb. 1.75 - —
Resinate, fused A, bbls....lb. .15 - —
1%, cobalt oxide, bbls.....lb. .15 - —
2%, cobalt oxide, bbls.....lb. .16 - —
3½%, cobalt oxide, bbls....lb. .18 - —
precip., dms., dlvd.....lb. .35½- —
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co.....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-Ammonium sulphate, 14% Co..100 lbs. .75 - —
Cocaine, hydrochloride, 100 ozs., cns...oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, f.o.b. shipping point..lb. .25 - —
Cocillana, bark, bgs.....lb. .20 - .21
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .09 - .11
blue, bls.....lb. .09 - .10
Colchicine, bots., cns.....oz.38.00 -63.00
Colchicum seed, bgs.....lb. No stocks
Collodion, USP, dms., 325 lbs..lb. .19½- .20½
cns., 30 lbs.....lb. .23 - .29½
flexible, USP, dms., 325 lbs..lb. .21 - .22
cns., 25 lbs.....lb. .28 - .31
Colocynth pulp, bls.....lb. .85 - .90
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .14 - .15
Conium leaves, bls.....lb. 1.18 - 1.20
Copaiba, balsam, Para, cns...lb. .47 - .49
B.A., USP, cns.....lb. .50 - .52
Copper acetate,[6] normal, bbls., dlvd..lb. .24 - — smaller containers, dlvd..lb. .29 - .50
Carbonate,[6] 52-54%, bbls....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .23¼- .24
regular crystals.....lb. .12 - .14¾
Cyanamide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots. .....lb. 5.15 - 5.19
Metal,[1,6,7] electrolytic .....lb. .12 - .12½
Nitrate, tech., cryst., bbls...lb. .19¾- .20
Oleate, precip., bbls.....lb. .22½- .23½
Oxide,[6] black, bbls., works..lb. .19½- .28¼
Red, com'l, kgs.....lb. .20 - .22
Resinate, precip., bbls.....lb. .15½- .16
Sulphate,[6] 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.15 - 5.20
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.30 - —
6-15 bbls., same basis, 100 lbs. 5.40 - —
1-5 bbls., same basis.... 100 lbs. 5.65 - —
monohydrated, dms., c.l. dealers, f.o.b. works..100 lbs. 9.20 - —
l.c.l., dealers .....100 lbs.10.20 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 wks.....100 lbs. 1.65 - —
1-4, works .....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipment.....lb. No prices.
Coriander seed,[1] Morocco, bgs.lb. .12 - .13
Indian, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .21 - .22
Corn sugar, tanners,' chipped, bgs., c.l., dlvd..100 lbs. 3.62 - —
slabs, bbls., c.l.....100 lbs. 3.54 - —
Syrup, 42°, bbls., c.l.....100 lbs. 3.62 - —
43°, bbls., c.l.....100 lbs. 3.74 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.39 - — gran., powd., dms., 50 lbs. or more..lb. 2.34 - —
Cottonroot bark, bls.....lb. .12 - .13
Cottonseed, hull ash,[1] 23-30% pot- ash, bgs., dlvd..unit-ton. 1.00 - —
meal, 8%, Southeast mills, March delivery..ton.33.00 - —
Coumarin, 25-lb. cns.....lb. 2.75 - —
1-lb. cns. .....lb. 2.90 - —
1-oz. cns. .....lb. 3.25 - —
less than 5, cns.....lb. 4.15 - 4.65
Cramp bark, NF, bls.....lb. .60 - .65
Cranesbill root, bls.....lb. .18 - .19
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- — smaller lots, bbls.....lb. .58 - — kgs. .....lb. .58½- —
Creosote, beechwood, cbys., dms., lb. .35 - — bots. .....lb. 1.04 - — hardwood, USP, bots.....lb. .60 - .77
Pine, dms. .....gal. .28 - —
Carbonate, bots., cbys.....lb. 2.10 - 2.20
Oil, crude, tanks, works ..gal. .15½- — Coaltar, solution, tanks, works, gal. .141 - — refd., bbls., l.c.l., works,gal. .26 - — tanks, works .....gal. .18 - .18½
Cresol,[8] special resin grade, dms., c.l., works, frt. equald..lb. .09½- — l.c.l., same basis.....lb. .10 - — tanks, same basis.....lb. .08¾- —
Cresol, USP, dms., c.l., works, freight equald..lb. .10¾- — l.c.l., same basis.....lb. .11¼- — tanks, same basis.....lb. .10 - —
Crotonaldehyde, 97% 55 and 110 gals., l.c.l., works..lb. .15 - — 5 and 10-gal. dms., works.lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- — l.c.l., works.....lb. .09¾- —
natural, c.l. .....100 lbs. 9.50 - —
l.c.l. .....100 lbs.10.00 - —
Cube root,[2,6] powd., 5% rotenone, bbls., f.o.b. N.Y.C..lb. .35 - — 4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. .70 - .80
powd., cs.....lb. .80 - .90
Culver's root, bls. .....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. .16 - .16½
Morocco, bgs. .....lb. .16½- .17
Indian, bgs.....lb. .14¾- .15½
Persian, bgs.....lb. .15½- .15¾
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. No stocks.
Cyanamid,[6,9] fertilizer grade for mixing purposes, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracts.... unit-ton. 1.53½- — granular, fertilizer grade for mixing purposes, 20.6% N, bulk, Niagara Falls, Ont... unit-ton. 1.63½- —
Cyanide-chloride, mixture,[6] 45%, gran., dms..lb. .10¾- — lump, dms. .....lb. .09¾- — 75%, gran., dms. .....lb. .15 - —
Cyclohexane, 98-100%, dms., wks. lb. .16 - —
Cyclohexanol, 98-100%, dms., wks. lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., divd.. gal. .27 - —

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Damiana leaves, bls.....lb. .15 - .16
Dandelion root, bls.....lb. .28 - .29
Decanol, normal, tech., 360 lbs., dms., divd..lb. .35 - —
Deertongue leaves, bls.....lb. .21 - .22
Degras,[2] common, dom., bbls..lb. .10 - .12
neutral, dom., bbls.....lb. .28 - .30
Derris root,[2,6] powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .35 - — 4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - — l.c.l., f.o.b. Chicago..100 lbs. 4.35 - — corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - — l.c.l., f.o.b. Chicago..100 lbs. 4.20 - — white, bgs., c.l., Chi..100 lbs. 3.95 - — l.c.l., f.o.b. Chicago..100 lbs. 4.15 - — potato, dom., bgs., c.l.....lb. .10 - — l.c.l., bgs.....lb. .10¼- .11¾
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether (see Amyl Ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2250 l.c.l., divd.....lb. .2220- .2250 tanks, divd.....lb. .2070- .2100
Diamyl sulphate, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - — l.c.l., works.....lb. .64 - —
Diamylene, dms., c.l., works..lb. .105 - — l.c.l., works.....lb. .112 - — tanks, works.....lb. .095 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - — l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific Coast..ton.22.00 -25.00 l.c.l., ex whse.....ton.45.00 - —
Diatomaceous earth, purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.55.00 -59.00 l.c.l., ex whse.....ton.85.00 -90.00 chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .97 - — l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.i.f.....ton. No prices
Mexican, white, bgs., c.l., c.i.f., works.....lb. .02 - .03 l.c.l. .....lb. .04 - .06
Dibutyl ether (see Ether, butyl).
Phthalate,[2,6] dms., c.l., divd..lb. .2000- .2070 l.c.l., divd.....lb. .2050- .2120 tanks, divd.....lb. .1900- .1970
cns., works.....lb. .23½- — Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works, lb. .61 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - — l.c.l. .....lb. .16 - — tanks .....lb. .14 - —
Diethylaniline, dms.....lb. .40 - —
Diethyl carbonate, com'l, dms..lb. .25 - — refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., divd.....lb. .3020- — l.c.l., divd.....lb. .3070- —
Phthalate,[6] dms., c.l., divd..lb. .2120- .2170 l.c.l. .....lb. .2170- .2220 tanks .....lb. .2030- .2250
Sulphate, dms., c.l., works...lb. .15 - — l.c.l., works.....lb. .14 - — tanks .....lb. .12 - —
Diethylamino ethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. River..lb. .75 - —
Diethyleneglycol,[6] dms., c.l., wks., lb. .14 - — l.c.l., works.....lb. .15½- — Monobutylether, dms., works..lb. .22½- .24½
Diethyleneglycol monoethylether, dms., c.l., works..lb. .14½- — l.c.l., works.....lb. .15½- — tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .45 - .50
Diglycol laurate, dms.....lb. .31 - .33
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, cleaned, bgs.....lb. .09¾- .09¾
Dimethyl phthalate,[6] dms., l.c.l., divd.....lb. .1970- .2000 l.c.l., divd.....lb. .2020- .2050 tanks, divd.....lb. .19 - —
Dimethylamine, dms., c.l., divd..lb. .85 - — l.c.l., divd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .23 - — l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min..lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - — oily, dms. .....lb. .05 - —
Diorthotolueguanidin,[6] dms., 2,000 lbs. or over, divd..lb. .44 - — 600-1,950 lbs., divd.....lb. .46 - — 150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .30 - — l.c.l., same basis.....lb. .31 - — tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentane, dms.....gal. .50 - .61 tanks .....gal. .51 - — dest., dist., dms.....gal. .55 - .58 tanks .....gal. .45 - —
Diphenyl, bbls., c.l., works...lb. .15 - — l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45 cns. .....lb. .48 - .50
Diphenylamine,[6] bbls.....lb. .22 - —
Diphenylguanidin,[6] dms., 2,000 lbs. or over, divd..lb. .35 - — 600-1,950 lbs., divd.....lb. .36 - — 150-450 lbs., divd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-Divi,[6] Colombian.....ton.80.00 - — Venezuelan .....ton.90.00 - —
Doggrass root, imp., cut, NF, bls..lb. .50 - 1.50
domestic, bls. .....lb. .36 - .45
Dogwood bark, Jamaica, bls....lb. .07 - .09
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, reeds, cs.....lb. .95 - 1.00
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.12.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 2, cns, lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.25 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 3.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors). for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 3.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns, lb.12.35 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns...lb.12.35 - —
Orange, D&C orange, No. 5, cns...lb. 3.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 12, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 3.35 - —
D&C red, No. 18.....lb.13.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 3.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns...lb. 3.35 - —
D&C yellow, No. 8, cns....lb. 3.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns...lb.12.35 - —
Green, Ext. D&C green, No. 1, cns...lb.12.35 - —
Red, Ext. D&C red, No. 1, cns...lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.35 - —
Ext. D&C red, No. 5.....lb. 7.65 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 5, cns...lb. 3.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R....lb. .50 - 1.00
52 Victoria violet.....lb. .60 - 1.00
165 Lake red C.....lb. .70 - .90
170 Fast red A[4].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd...lb. 3.00 - 3.10
Sulphur tan .....lb. .30 - .50
202 Chrome blue black U..lb. .35 - .45
204 Chrome black A.....lb. .42 - .45
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .85
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow .....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
394 Direct violet N.....lb. .80 - .85
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .56 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .67
496 Benzo purpurin 10B..lb. .70 - .80
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
686 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .72
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .19
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue .....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Black:—
865 Nigrosin derivatives..lb. .36 - .44
Blue:—
1075 Alizarin astral base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.85 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. in a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
909 New blue F.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
224 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .47 - .62
332 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.60 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
151 Orange T.....lb. .31 - .33
161 Orange R.....lb. .54 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —

Red:—
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[4].....lb. .54 - —
179 Asorubin .....lb. .90 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
762 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S....lb. .58 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .19 - .23
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. 1.00 - 1.10
imported .....lb. 1.00 - 1.10
Alder flowers, bright, bls.....lb. .59 - .60
Elecampane root, bls.....lb. .18 - .19
Elm bark, grinding, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .19 - .20
Emetine hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls. .....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synth, USP, hemihydrate, bots., 100 ozs. or more..oz. .65 - —
anhyd., bots., 100 oz. or more..oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .45 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —

Epsom salt prices on technical and USP are on the basis of freight equalized with Baltc., Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal .....100 lbs. 2.25 - —
smaller lots ....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c. .....lb. .08 - .09
Ergot, USP, dms., ton lots....lb. 1.05 - 1.35
smaller lots .....lb. 1.35 - 1.40
Eserine, bots. .....oz. No prices.
Salicylate, bots. .....oz.41.00 -48.00
Sulphate, bots.....oz.41.00 -48.00
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl, ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs., lb. .93 - 1.10
Sulphuric, conc., 310-lb. dm., lb. .11 - —
27-lb. dms. .....lb. .15½- .16
USP, anaesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synth., dms., c.l., works....lb. .14½- —
l.c.l. works .....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[3] 85-90%, dms., c.l., frt. alld..lb. .1170- .1200
l.c.l., frt. alld.....lb. .1220- .1250
tanks, frt. alld.....lb. .1070- .1100
95-98%, dms., c.l., frt. alld.lb. .12¾- .13¼
l.c.l., frt. alld.....lb. .12¾- .13¾
tanks, frt. alld.....lb. .11¼- .12¼
NF, 390-lb. dms. .....lb. .14½- .15½
Acetoacetate, dms., c.l., wks.lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots. .....lb. .90 - 1.00
Ethyl, bromide, tech., dms....lb. .50 - .55
Caproate, cns. .....lb. 1.30 - 1.40
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns. .....lb. 3.50 - 3.85
Formate, cns., dms.....lb. .27½- .30
Iodide, bots. .....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Myristate, dms., works.....lb. .55 - —
Oleate, dms., works.....lb. .47 - —
Oenanthate, dms. .....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .33 - —
Oxyhydrate, bots. .....gal. 7.50 - 8.00
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 5.25 - 6.00
5-lb. lots, cns.....lb. 5.30 - 6.05
1-lb. lots, cns.....lb. 5.40 - 6.15
Ethylcellulose,[6] sta., pkgs., 5,000 lbs. or more, works..lb. .50 - —
less than 5,000 lbs., same basis..lb. .52 - .60
Ethyldiethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylethanolamine, dms., c.l., works..lb. .80 - —
l.c.l., works .....lb. .90 - —
Ethylene, dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l c.l., works, E. of Rockies, frt. alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, same basis, E. of Rockies..lb. .0743- —
W. of Rockies.....lb. .0792- —
Ethyleneglycol[3] dms., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
tanks .....lb. .14½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works .....lb. .17½- .20½
tanks, works .....lb. .15½- —
Ethyleneglycol monoethylether, dms., c.l., works.....lb. .14½- —
l.c.l., works .....lb. .15½- .16½
tanks, works .....lb. .13½- —
monethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms. .....lb. .12½- .15½
tanks, works.....lb. .10½- —
Ethyleneglycol monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylmorphine hydrochloride, bots., 5 ozs..oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Eucalyptol, cns., dms.....lb. 2.00 - 2.50
Eucatlyptus, leaves, bls.....lb. .10 - .13
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., min. 2 tons..ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .08½- .09
Fenugreek seed, bgs.....lb. .08¾- .09¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- .14
smaller lots, works.....lb. .15 - —
water white,[6] cs., 50 lbs. or over, works..lb. .14¼- .15
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.19.00 -20.00
Oregon, bbls.....gal. 1.85 - 2.25
Fish berries, bgs.....lb. .24 - .25
Fish[1] meal, grd., 60% protein, bgs., East Coast fish factories..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
scrap, menhaden, new catch, dried, 60% protein, bulk, East Coast fish factories.ton.66.50 - —
meal, scrap, acid, 6-7% ammon., 3% a.p.a., bulk, Carolina and Florida fish factories..unit-ton. No prices
Long Island fish factories, unit-ton. No prices
Flake whites, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .65 - .70
Indian, blonde, bgs.....lb. .12½- .13
Fluorspar, dom.,[1] No. 1 ground, 95-98%, bulk, c.l., f.o.b. mines..net ton.33.00 - —
bgs., c.l., f.o.b. mines.ton.36.20 - —
washed gravel, 85.5%, f.o.b. Ky. and Ill.-Ky. mines.. net-ton.23.00 -28.00
No. 2 lump or washed gravel, 85.5%, c.l., f.o.b. Ky. and Ill. mines, or barge delivery, Ohio River landings....ton.25.00 -28.00
Formaldehyde,[1,8,9] bbls., c.l., works..lb. .0550- .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0563- .0590
tanks .....lb. .04 - .04½
Formaldehyde prices are under 4½c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .39 - .40

The

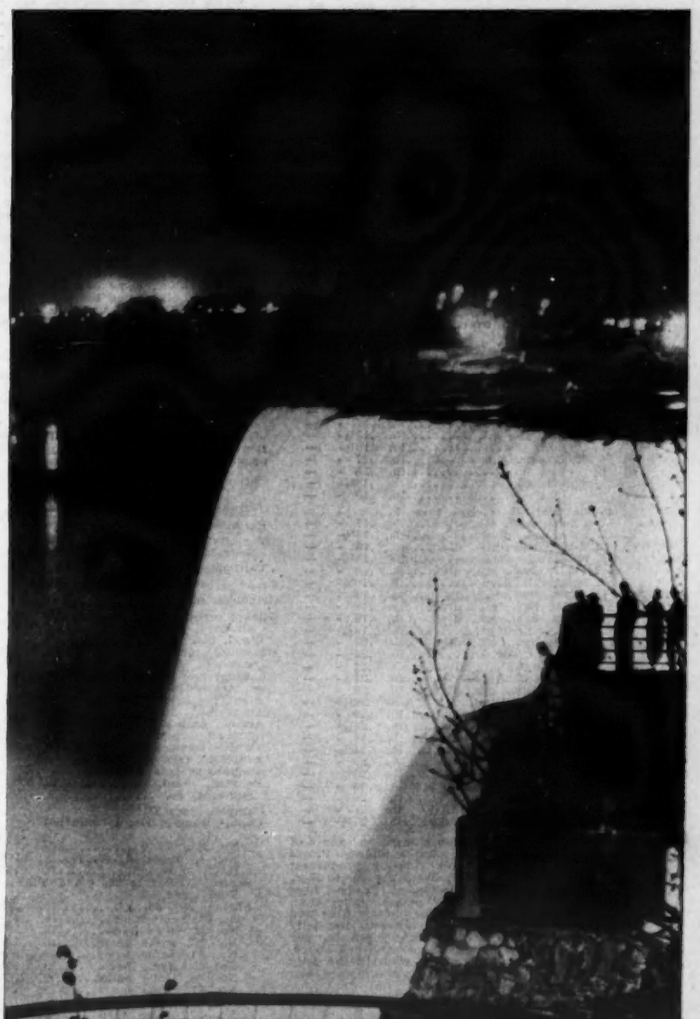
RESISTLESS CURRENT

From Niagara's resistless current comes the vast energy that has made the region about the Falls one of America's great sources of hydro-electric power. Yet the attraction of Niagara for Americans lies as much in its beauty as in its utility. We have harnessed its power but we have also enshrined its splendor as an expression of the natural resources from which we gain spiritual as well as material strength.

We in America have always been close to nature. Our struggle has been more than a struggle for political freedom; it has also been a struggle for mastery of a wilderness. And here in Niagara's rugged grandeur is an epitome of the primeval forces that have helped to mold our national character. In contact with rivers and mountains and prairies we have learned the basic rules of give-and-take by which men may live in freedom and dignity. The current of our progress has been resistless, yet fluid and adaptable—following always the channels that lead to broader fields of accomplishment.

We who work within sight and sound of Niagara Falls are devoting every ounce of our energies and facilities to speeding the flow of chemicals for Victory.

CAUSTIC POTASH · CAUSTIC SODA
SODA ASH · CARBONATE OF POTASH
LIQUID CHLORINE



EBC Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.

An Essential Part Of America's Great Chemical Enterprise

Fuller's earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga., mines..ton. 8.50 -15.00
f.o.b. Tex. mines....ton.12.50 - —
imp., c.l., bgs.....ton.30.00 -40.00
Fumitory herb, bls.....lb. .58 - .60
Furfural,[6] ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
dms., c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, crude, dms., wks...gal. .75 - —
refd., dms., incl., dlvd....lb. .18½- .19¼
Fustic, cryst., bags, No. 1....lb. .32 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2.....lb. .15 - —
No. 3.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .28 - .30
Gambier, common, cases.....lb. No prices.
plantation, cases...lb. No prices.
cubes, Singapore, cases...lb. .30 Nom.
extract, bbls.....lb. .09½- .12
Gasoline[1] at refinery:—
Bayonne, US motor, 65 octane, tanks, ex tax..gal. .0695- —
72-74 octane, ex tax....gal. .092 - —
California 78 octane at refineries, tanks..gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .065⅝- —
Arkansas, US motor, 72-74 octane, leaded, tanks, car lots, ex tax..gal. .06 - —
Group 3, 72-74 octane, tanks, gal. .065⅝- .06
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax, gal. .065½- .06
natural, 26-70, Group 3, tanks..gal. .065⅛- —
Gelatin, silver, cs.....lb. .90 - .97
Gelsemium root, bls.....lb. .15 - .19
Gentian root, bls.....lb. .48 - .49
grd., bbls., bxs.....lb. .53 - .54
powd., bbls., bxs.....lb. .54 - .55
Geraniol, 92-96%, cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. .28 - .29
Calicut, bgs.....lb. .25½- .26
Cochin, bleached, bgs.....lb. .26½- .27
unbleached, bgs.....lb. .25½- .26
Jamaica, No. 1, bgs.....lb. .40 - .41
No. 2, bgs.....lb. .30 - .31
No. 3, bgs.....lb. .28 - .29
Ginseng root, wild South, cs...lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.25
5 tons or over, works.. 100 lbs. 1.15 - 1.35
less than 5 tons, works.. 100 lbs. 1.25 - 1.45
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
l.c.l.....lb. .17 - —
30/58, bgs., c.l.....lb. .15½- —
l.c.l.....lb. .16½- —
58/82, bgs., c.l.....lb. .17 - —
l.c.l.....lb. .18 - —
82/108, c.l.....lb. .18½- —
l.c.l.....lb. .19 - —
hide,[1] 100-121 (jelly test in grams, bgs., c.l., dlvd....lb. .14 - —
bbls., c.l., dlvd.....lb. .14½- —
122-149, bgs., c.l., dlvd....lb. .15 - —
bbls., c.l., dlvd.....lb. .15½- —
150-177, bgs., c.l., dlvd....lb. .16 - —
bbls., c.l., dlvd.....lb. .16½- —
178-206, bgs., c.l., dlvd....lb. .17 - —
207-236, bgs., c.l., dlvd....lb. .18 - —
237-266, bgs., c.l., dlvd....lb. .19 - —
bbls., c.l., dlvd.....lb. .19½- —
267-295, bgs., c.l., dlvd....lb. .20 - —
bbls., c.l., dlvd.....lb. .20¼- —
299-330, bgs., c.l., dlvd....lb. .21 - —
bbls., c.l., dlvd.....lb. .21½- —
331-362, bgs., c.l., dlvd....lb. .22 - —
bbls., c.l., dlvd.....lb. .22½- —
363-394, bgs., c.l., dlvd....lb. .23 - —
bbls., c.l., dlvd.....lb. .23½- —
395-427, bgs., c.l., dlvd....lb. .24 - —
bbls., c.l., dlvd.....lb. .24½- —
428-460, bgs., c.l., dlvd....lb. .25 - —
bbls., c.l., dlvd.....lb. .25½- —
461-494, bgs., c.l., dlvd....lb. .26 - —
bbls., c.l., dlvd.....lb. .26½- —
496-529, bgs., c.l., dlvd....lb. .27 - —
bbls., c.l., dlvd.....lb. .27½- —

Hide glue transportation charges in excess of 75c. per hundredweight may be added. Prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less car lot prices are 1c. per pound higher than car lot. Maximum prices for chrome glue and coney glue in carload lots, wherein the jelly test in grams is 267 or higher, are 2c. per pound higher than the prices established above, while those for these glues, wherein the jelly test is below 267, are 1c. per pound higher than the above prices.

Glycerin,[1,*] Zones A and C, C.P.,* (B.P., 98%), drums, car lots, dlvd..lb. .18¾- —
less car lots, dlvd...lb. .19¼- —
tanks, dlvd.....lb. .18½- —
C.P.* (USP 96%), drums, car lots, dlvd..lb. .18¼- —
less car lots, dlvd...lb. .18¾- —
tanks, dlvd.....lb. .18 - —
dynamite,* high gravity, yellow, distilled, dms., car lots, dlvd..lb. .18¼- —
less car lots, dlvd...lb. .18¾- —
tanks, dlvd.....lb. .18 - —
saponification, 88%, to refiners, dms., c.l., dlvd..lb. .12¾- —
less car lots, dlvd...lb. .12¾- —
tanks, dlvd.....lb. .12¾- —
to individual users, dms., c.l., f.o.b. point of manufacture..lb. .13¾- —
less car lots, same basis, lb. .14¾- —
tanks, same basis....lb. .12¾- —
soapiye, 80%, dms., car lots, dlvd..lb. .11½- —
less car lots, dlvd...lb. .11½- —
tanks, dlvd.....lb. .11½- —

Glycerin prices in Zone B are 2c. higher.

Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col.; east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamath; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

*Note.—Sales of glycerin to U. S. government are at prices 1c. below the above prices on C.P., and dynamite glycerin.

Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks.
Chloride, acid, brown, bots.oz.20.75 -21.00
yellow, bots.....lb.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 4.85 - 5.00
powd., bxs.....lb. 5.20 - 5.25
Grains of Paradise, bgs.....lb. .28 - .36
Graphite,[6] flake (cryst.), 90%, 325 mesh, 60% graphitic, carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
65% graphitic, carbon, bgs., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03¼- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease,[1,§] house, loose.....lb. .03¼- —
white, loose.....lb. .03¾- —
Wool (see Adeps lanae and Degras).
Green,[2] chrome, CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
6-10% bbls., same basis..lb. .24 - —
11-15%, bbls., same basis..lb. .25 - —
16-20%, bbls., same basis..lb. .25½- —
21-25%, bbls., same basis..lb. .26 - —
26-30%, bbls., same basis..lb. .26½- —
31-35%, bbls., same basis..lb. .27½- —
36-40%, bbls., same basis..lb. .29 - —
41-45%, bbls., same basis..lb. .30½- —
46-50%, bbls., same basis..lb. .33 - —
reduced color, 5%, same basis, lb. .06¾- —
9-10%, bbls., same basis..lb. .07½- —
11-13%, bbls., same basis..lb. .08 - —
14-16%, bbls., same basis..lb. .08¼- —
17-19%, bbls., same basis..lb. .08½- —
20-21%, bbls., same basis..lb. .08¾- —
22-23%, bbls., same basis..lb. .09 - —
24-25%, bbls., same basis..lb. .09¼- —
26-27%, bbls., same basis..lb. .09½- —
28-29%, bbls., same basis..lb. .10 - —
30-31%, bbls., same basis..lb. .10¼- —
32-33%, bbls., same basis..lb. .12 - —
34-35%, bbls., same basis..lb. .13 - —
36-40%, bbls., same basis..lb. .14 - —
41-45%, bbls., same basis..lb. .17 - —
46-50%, bbls., same basis..lb. .17½- —
51-55%, bbls., same basis..lb. .18 - —
56-60%, bbls., same basis..lb. .18½- —
61-65%, bbls., same basis..lb. .19 - —
66-70%, bbls., same basis..lb. .20 - —
71-75%, bbls., same basis..lb. .21 - —

Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, drums, pure, works..lb. .24 - —
Tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .11 - .12
Guaiac resin, cs.....lb. .80 - .85
strained, cs.....lb. 1.50 - 1.60
Wood, bls.....lb. .06 - .06
Guaiacol, liq.....lb. 1.75 - 2.01
Carbonate, fib. dms.....lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.80
Gum Accroides (see Gum yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber sorts, bgs....lb. .14½- .16¾
powd., bbls.....lb. .20 - .29
white, sorts, 1, bgs.....lb. .33 - .35
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .55 - .60
Camphor (see C).
Copal[1], Congo, No. 1, unsorted. lb. .14¾- —
No. 2, unsorted.....lb. .12¾- —
No. 3, unsorted.....lb. .11¼- —
FAD, unsorted.....lb. .14¾- —
Sorted, Nos. 1 to 29, not available in New York area.
Sorted, No. 30, c.l. .....lb. .55¾- .56¾
No. 31, same basis.....lb. .21½- .21¾
No. 32, same basis.....lb. .15¾- .16¼
No. 33, same basis.....lb. .14 - .14½
No. 34, same basis.....lb. .09¼- .09¾
No. 35, same basis.....lb. .15½- .16¾
No. 36, same basis.....lb. .12¾- .13½
No. 37, same basis.....lb. .18½- .18¾
No. 38, same basis.....lb. .12¼- .12¾
No. 39, same basis.....lb. .10¾- .11½
No. 40, same basis.....lb. .08 - .08½
No. 41, same basis.....lb. .11¾- .12¼

Inside figures represent carload lot prices; outside figures less than 10-package-lot prices. On lots of 10 packages or more, prices are ¼ cent per pound higher than carload lot prices; on lots less than 10 packages, prices are ½c. per pound higher than carload lot quotations.

Manila, Boeas, hard, bold white..lb. .13¼- —
amber, light .....lb. .12½- —
amber, dark.....lb. .14½- —
Macassar, WS .....lb. .11¾- —
MA .....lb. .09¾- —
MB .....lb. .09½- —
dust .....lb. .07⅝- —
Loba, A.....lb. .14 - —
B .....lb. .13¾- —
C .....lb. .13¾- —
CBB .....lb. .12 - —
CNB .....lb. .10 - —
D .....lb. .12⅝- —
DBB .....lb. .11 - —
Du .....lb. .08¾- —
DK .....lb. .09¼- —
dust .....lb. .07⅜- —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .11¾- —
Philippine, extra bold, bale scraped..lb. .15 - —
bold, pale scraped.....lb. .16 - —
extra pale, bold, sorts..lb. .12¾- —
pale crips, bold.....lb. .13 - —
pale nubs, WCB.....lb. .13¾- —
pale small chips.....lb. .11¾- —
SG .....lb. .10½- —
seeds and dust.....lb. .08¾- —
Manila-Singapore, white split chips..lb. .15¼- —
dust .....lb. .07⅝- —
Gum, copal, Pontianak, bold, scraped..lb. .22¾- —
mixed, bold .....lb. .17¾- —
nubs .....lb. .18 - —
small chips .....lb. .12¾- —
cuttings or split chips..lb. .19¼- —
Dammar,[1] Batavia, A.....lb. .35¾- —
A/C .....lb. .31¼- —
A/D .....lb. .28¾- —
A/E .....lb. .25¾- —
B .....lb. .34¼- —
C .....lb. .28¾- —
D .....lb. .25¾- —
E .....lb. .18¾- —
F .....lb. .13¾- —
dust .....lb. .13¾- —
Singapore, No. 1.....lb. .30¾- —
2 .....lb. .25¾- —
3 .....lb. .12¾- —
chips .....lb. .23½- —
dust .....lb. .13 - —
seeds .....lb. .17¾- —
Hiroe-Macassar, bold.....lb. .17¾- —
chips .....lb. .11½- —
dust .....lb. .05½- —
nubs .....lb. .13¾- —
Pale East India-Singapore, bold..lb. .22¾- —
nubs .....lb. .16¾- —
chips .....lb. .11¾- —
dust .....lb. .05½- —
Batu, scraped.....lb. .10¾- —
unscraped .....lb. .09 - —
nubs and chips.....lb. .05¾- —
chips .....lb. .12 - —
dust .....lb. .06½- —
Black, East India, bold scraped..lb. .12 - —
bold unscraped.....lb. .07½- —
E. I., nubs and chips....lb. .07¾- —

Importers have been authorized by OPA to add to the above prices charges of approximately 8½% for freight, marine and war-risk insurance.

Gums, copal, Congo and Ponitanak are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in carload lots, ex dock or ex whse., San Francisco or New York. L.c.l. prices are ¼c. to ½c. per lb. higher.

Elemi .....lb. .08¾- —
Ester, ordinary, carload lots, N. Eng., Middle Atlantic States, Va., W. Va., N. C., Ky., Ohio, Mich.; Ind., Ill., Wis., St. Paul and Minneapolis, Minn., and St. Louis, Mo., f.o.b. cars, destination.....lb. .09½- —
other points.....lb. .10 - .11
10 dms., same basis.....lb. .09¾- —
other points.....lb. .10½- .11¾
single drums, same basis.lb. .10 - —
other points.....lb. .10¾- .12
Ester gum spot prices are ½c. higher.
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. 2.30 - 2.35
powd., bbls.....lb. 2.50 - 2.55
Ghatti, soluble, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri,[1] Bush, bold.....lb. .40 - —
assorted .....lb. .35 - —
chips .....lb. .32 - —
dark .....lb. .18 - —
bright .....lb. .18 - —
white, 5X.....lb. 1.50 - —
4X .....lb. .66 - —
3X .....lb. .65¾- —
No. 1 extra.....lb. .43 - —
No. 1 superior.....lb. .41 - —
No. 2 extra.....lb. .31 - —
No. 2 superior.....lb. .31 - —
No. 3 extra.....lb. .30 - —
No. 3 superior.....lb. .22 - —
extra pale chips.....lb. .25¾- —
pale chips.....lb. .20¾- —
pale dust.....lb. .20¾- —
Brown, 5X.....lb. .77 - —
2X .....lb. .49 - —
X .....lb. .36 - —
No. 1 extra.....lb. .34 - —
No. 1 superior.....lb. .31 - —
No. 2 extra.....lb. .30 - —
No. 2 superior.....lb. .27½- —
No. 3.....lb. .23 - —
chips extra.....lb. .18 - —
chips 80%.....lb. .16 - —
nubs .....lb. .24 - —
dust .....lb. .12½- —

Gum Kauri prices are for carload lots, packed in cases, ex dock or ex whse. San Francisco or New York. L.c.l. prices are ¼c. to ½c. per pound higher. On arrivals of gum kauri since June 1, importers have been authorized by OPA to add to the above prices charges of approximately 8½% for freight, marine and war-risk insurance.

Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.10 - 1.15
Mastic, cs.....lb. 3.65 -Nom.
Myrrh, USP, cs.....lb. .75 - .76
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .35
Opium (see O).
Red gum (see Gum, accroides).
Rosin (see R).
Sandarac,[1] cks.....lb. .97½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. 1.30 - 1.35
Tragacanth, No. 1, cs.....lb. 3.75 - 3.80
No. 2, cs.....lb. 3.40 - 3.45
No. 3, cs.....lb. 1.10 - 1.20
Yacca,[1] red gum, coarse....lb. .06 - —
powdered .....lb. .07¾- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N. Y., Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard Okla.; Sweetwater, Texas; frt. equald...ton. 8.00 - —
Saltville, Va. .....ton. 9.00 - —
Terra Alba, dom., paper bags, c.l., f.o.b. New Brighton, N. Y.; Southard, Okla..ton.12.00 - —
Harlem River, N.Y..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. 1.10 - 1.15
Heliotropin, cryst., cns.....lb. 4.00 - 4.50
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. .82 - .83
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bxs., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[6] 25% tan, c.l., bbls., works..lb. .0385- —
tanks, works .....lb. .0325- —
Hempseed, Manchur., bgs.....lb. .22 - .23
Henbane leaves, bbls.....lb. 1.70 - 1.75
Henna leaves, bls.....lb. .18 - .19
powd., bbls., bxs.....lb. .23 - .24
Heptane,[1] 56°-100° C, industrial grade, dms., l.c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..lb. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,*] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy of N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipment, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipment, same basis..lb. .33 - —
fib. ctns., same basis.....lb. .40 - —
Hexanes,[1] 60°-70°C., industrial grade, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .26 - —
Homatropine hydrobromide, 25 oz. lots, bots..oz.37.50 -42.00
Hoofmeal, 17-19% ammon., bulk, f.o.b. Chicago..unit 4.35 - 4.50
Hops, NF, bls.....lb. .48 - 1.50
Horehound, bls.....lb. .10 - .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots, 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.20.00 - —
Hydrastinine, 15 grs., bots..bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., chys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 6.25 - 7.50
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyosyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .19 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthyol, bots.....lb. No stocks
Indian red (see Red Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.26.50 -27.50
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., 5-lb. bots.....lb. 2.10 - —
25-lb. bots., jars.....lb. 2.00 - —
Iodoform, 100-lb. dms., kgs...lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ipecac root, bgs.....lb. 1.75 - 1.85
powd., bgs.....lb. 1.85 - 1.95
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .38 - .50
powd. .....lb. .52 - .53
Iron acetate, solut., USP IV, 100 lb. chys..lb. .17 - —
50 lbs., djns.....lb. .18 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, alld. or equald..lb. .05 - .08
kegs, works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., lump, bbls...lb. .07½- —
kegs .....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07½
djns .....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales .....lb. .77 - .80
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - 3.39
100-lb. lots.....lb. 3.40 - 3.49
cns., 25 lbs.....lb. 3.52 - 3.62
Hyposulphite, bbls., dms....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - .59
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns. .....lb. .52 - —
pearls, cns.....lb. .82 - —
Oxide, black (see Black iron oxide).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .63 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
USP, cryst., 275-lb. bbls...lb. .05½- .06
dms., 100 lbs.....lb. .08 - —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms..lb. .44 - —
200-lb. lots, dms.....lb. .47 - —

Prices on green are the same as for brown.

Iron-ammonia oxalate,[6] bbls...lb. .28½ - —
dms., kgs.....lb. .25½ - —
Iron-soda oxalate, bbls.....lb. .23½ - —
dms.....lb. .25½ - .26½
Isobutyl acetate 55-gal. dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, single 50-lb. dm., works..gal. .45 - —
single 10-gal. dm., works.gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½ - —
Isopropyl acetate, tanks, E. of Rockies, frt. alld.....lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .06½ - —
tanks .....lb. .04½ - —
Isopropylamine, dms., works...lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .45 - .62
powd., bbls., bxs.....lb. .52 - .63
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .30 - .32

K

Kamala, tins.....lb. .39 - .40
Kaolin (see China clay).
Kava kava root, bls.....lb. .23 - .24
Kerosene[1] at refinery:—
Ark., 41-43 w.w., bulk, tank.gal. .04½ - —
Bayonne, 41-43 w.w., tanks.gal. .071 - —
California (f.o.b. San Francisco), truck..gal. .11½ - —
Gulf ports, 41-43 w.w., bulk.gal. .04½ - .04¾
Okla.-Tex. 41-43 w.w., tank.gal. .04½ - —
Penn., 45-46-47, w.w., tank.gal. .06½ - .07¾
Kola nuts, bgs.....lb. .16 - .18

L

Lady slipper root, bls.....lb. .50 - .90
Lanolin (see Adeps lanae).
Lard,[1,2] city, trcs.....100 lbs.13.80 - —
Western, choice, trcs...100 lbs.13.80 - —
Larkspur seed, bgs.....lb. 3.75 - 4.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .55 - .56
Cyprus, bls.....lb. .34½ - .35
Portuguese, bls.....lb. .15 - .16
Spanish .....lb. .32 - .33
Lavender flowers, ord., bls....lb. .70 - .75
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead,[1] metal (see paint market).
Acetate,[2] white, broken, bbls.lb. .12½ - —
cryst., bbls.....lb. .12½ - —
gran., bbls.....lb. .13¼ - —
powd., bbls.....lb. .13¼ - —
Arsenate,[1,6] paste, stand., c.l. .....lb. .05¾ - .06
l.c.l. .....lb. .06 - .06¼
powder, basic, 3-lb. bgs. or larger, c.l..lb. .11½ - .12
l.c.l. .....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½ - .22½
l.c.l. .....lb. .19 - .23
standard, 3-lb. bgs. or larger, c.l..lb. .11 - .11¼
l.c.l. .....lb. .11½ - .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½ - .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l. .....lb. .18½ - .22½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l. .....lb. .21½ - .25½

Inside column represents maximum prices set up by OPA to manufacturers or distributors; outside column to other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½ - —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾ - —
l.c.l., dlvd. E.....lb. .07¾ - —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo....lb. .08 - —
Carbonate (see Lead, white).
Chloride, 100-lb. fib. dms.....lb. .49 - —
Iodide, NF V, powd., bots...lb. 2.80 - —
jars .....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½ - —
Metal (see daily quotations in market report).
Metallic, paste, 1 to 5-ton lots, f.o.b. works..lb. .19¾ - —
smaller lots, same basis..lb. .21¼ - —
Nitrate, bbls.....lb. .12½ - —
Peroxide, powd., tech., bbls..lb. .23 - —
Oleate, bbls.....lb. .17¾ - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼ - —
Other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash .lb. .09¾ - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼ - —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09¼ - —
smaller lots, Ala., etc.lb. .10¼ - —
Ariz., etc.....lb. .10¾ - —
Colo., etc.....lb. .10½ - —
other points.....lb. .10 - —
97% Pb_3O_4, bbls. (20 tons), dlvd. Ala., etc....lb. .09½ - —
other points.....lb. .09¼ - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Colo., etc.....lb. .10¼ - —
Ariz., etc.....lb. .10½ - —
other points.....lb. .09¾ - —
smaller lots, dlvd. Ala. .....lb. .10¾ - —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾ - —
other points.....lb. .10¼ - —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾ - —
other points.....lb. .09½ - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼ - —
Ariz., etc.....lb. .10¾ - —
Colo., etc.....lb. .10½ - —
other points.....lb. .10 - —
Lead, red, dry, 98% Pb_3O_4, l.c.l., smaller lots, dlvd. Ala., etc..lb. .10½ - —
Ariz., etc.....lb. .11¼ - —
Colo., etc.....lb. .11 - —
other points.....lb. .10¼ - —
in oil, 95% min., 100-lb. kgs.lb. .14 - —
Resinate, fused, 15%, bbls., c.l., lb. .10 - .12
pale, bbls., c.l.....lb. .12 - .14
6%, bbls., c.l.....lb. .09½ - .10½
l.c.l. .....lb. .10¼ - —
Silicate, bgs., 5 tons.....lb. .0730- —
smaller lots.....lb. .0780- —
Stearate, bbls.....lb. .31 - .38
Sulphate (see Lead, white basic sulphate).
titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt alld..lb. .11¼ - —
Pac. Cst., ex whse....lb. .11¼ - —
smaller lots, E., frt. alld.lb. .11½ - —
Pac. Cst., ex whse....lb. .11½ - —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½ - —
other points.....lb. .08¼ - —
l.c.l., dlvd. Ariz., etc...lb. .08¾ - —
other points.....lb. .08½ - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07½ - —
other points.....lb. .07¼ - —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½ - —
in oil, consumers, 100-lb. kgs..lb. .13¾ - —
dealers, 100-lb. kgs....lb. .11¾ - —
painters, 100-lb. kgs....lb. .12¾ - —

Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.

Lecithin, edible, dms., c.l....lb. .28½ - —
l.c.l. .....lb. .29 - .43
tech., dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½ - .37½
in cocoa butter, dms., c.l....lb. .40½ - —
l.c.l. .....lb. .41 - .53
Lemon peel, bls.....lb. .35 - .46
Licorice extract, mass, cns....lb. .25 - .60
powd., bbls.....lb. .60 - .66
root, natural, Turkish, bls.lb. .09 - .10
Indian, bls.....lb. .10 - .10½
powder, bbls.....lb. .15 - .20
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
hydrated, f.o.b. Adams, Mass..
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hallow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b.:—
Adams, Mass.....ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. No price
Linalool, cns.....lb. 6.75 - 8.25
Linalyl acetate, 70% to 80%, cns. .....lb. 5.00 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25
Linden flowers, bls.....lb. 1.10 - 1.15
Linseed meal, 32%, sacks...ton. No prices
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N.Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼ - —
other points.....lb. .08 - —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾ - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼ - —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08¼ - —
smaller lots, dlvd. Ala., etc. .....lb. .09¼ - —
Ariz., etc.....lb. .09¾ - —
Colo., etc.....lb. .09½ - —
Other points.....lb. .09 - —
Lithium,[6] bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF, 250-lb. bbls.lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, NF, 250-lb. bbls.lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] titanated (high strength), bgs., c.l. (20 tons)..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l. (29 tons).....lb. .0585- —
smaller lots.....lb. .0610- —
ordinary, bgs., c.l. (20 tons).lb. .04¼ - —
smaller lots.....lb. .04¼ - —
bbls. c.l. (20 tons).....lb. .04½ - —
smaller lots.....lb. .04¾ - —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ¼c. higher ex whse., Pac. Cst.

Liverwort, leaves, bls.....lb. .60 - .62
Lobelia, herb, bls.....lb. .25 - .26
Lobeline sulphate, bots., wks.oz. 25.50 - 38.00
Logwood, cryst., No. 1, bgs...lb. .28 - —
No. 2, bgs.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½ - —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .22½ - —
No. 2, bxs.....lb. .21½ - —
Lovage root, dom., bls.....lb. .55 - .60
imported, bls.....lb. 4.50 - —
Lupulin, NF, tins.....lb. 4.75 Nom.
Lycopodium, USP, cs.....lb. 7.00 - 7.50

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .80 - .83
West Indian, cs.....lb. .75 - .77
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia, arsenate,[6] dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼ - —
bbls. .....lb. .07½ - —
kgs. .....lb. .08¾ - —
l.c.l., bgs.....lb. .07¼ - —
bbls. .....lb. .08½ - —
kgs. .....lb. .09¾ - —
Zone 2, c.l., bgs.....lb. .06¼ - —
bbls. .....lb. .07½ - —
kgs. .....lb. .08¾ - —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼ - —
kgs. .....lb. .09½ - —
USP, Zone 1, c.l., bgs.....lb. .09 - —
bbls. .....lb. .08½ - —
kgs. .....lb. .09¾ - —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½ - —
kgs. .....lb. .10¾ - —
Zone 2, c.l., bgs.....lb. .06¼ - —
bbls. .....lb. .08½ - —
kgs. .....lb. .09¾ - —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼ - —
kgs. .....lb. .09½ - —
other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld. including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., works., c.l. .....ton.32.00 - —
l.c.l., bbls., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 - .35
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls., ton lots.....lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., powd., bgs., f.o.b. mines, Calif..ton.58.75 - —
l.c.l., dlvd. N. Y.....ton.84.00 -90.00
dead-burned, dom.,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -40.50
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls.....lb. 2.25 - 2.50
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .21 - .22
Manganese acetate, dms.....lb. .26¼ - —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works..ton.74.00 - —
5-15 tons, works.....ton.77.00 - —
¼ 4 tons, works.....ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works.ton.82.00 - —
burlap bgs., c.l., works..ton.71.75 - —
l.c.l., 5 tons, works....ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works...ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Manganese, resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½ - .15½
Sulphate, anhyd., dms., ton lots, works..lb. .11¼ - —
single dms., works.....lb. .11½ - —
feed grade, 77-80%, bgs., c.l. .....lb. .06¾ - —
l.c.l. .....lb. .06½ - —
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East, pts.....ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Baltic and Cincinnati..ton.66.50 - —
industrial grade, 80% $MnSO_4$, c.l..lb. .05 - —
l.c.l. .....lb. .05½ - —
Mangrove bark, lf. and when, available, bgs.....ton.60.00 - —
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. 3.40 - 3.45
Mannitol,[5] com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marjoram,[1] Chilean, bls.....lb. .49 - .50
in transit, bls.....lb. .41½ - .42
French, bls.....lb. .84 - 1.15
Tunisian, bls.....lb. .60 - .65
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, cs.....lb.14.50 Nom.
synthetic, USP, cs.....lb.13.00 - —
technical, 60-lb. cs.....lb. 6.00 - —
smaller lots.....lb. 6.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, USP, mild, 10%, 50-lb. tub..lb. .70 - —
25-lb. tub.....lb. .72 - —
30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride,[2] (see Corrosive sublimate).
Bisulphate,[2] 5-lb. bots.....lb. 3.02 - —
50-lb. fib. dms.....lb. 2.89 - —
25-lb. dms.....lb. 2.91 - —
Chloride[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 4.00 - 4.05
Iodide,[2] red, NF, 5-lb. lots..lb. 4.66 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs. or more..lb. 3.38 - —
red,[2] NF (see Red precipitate).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.93 - 1.98
dms.....lb. 1.86 - 1.88
Mesityl oxide, dms., c.l., dlvd..lb. .11½ - —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½ - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminums, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold XX, deep, 23K, 3⅜x3⅜ in. .....pkg.13.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidine, bbls...lb. 1.05 - 1.10
Metaphenylenediamine,[6] kgs...lb. .65 - —
Metatolylenediamine,[6] kgs....lb. .70 - —
Methanol,[1,6] natural, producer group A, all grades, E. of Miss. R., dms., c.l...gal. .06 - —
l.c.l. .....gal. .76 - —
tanks .....gal. .60 - —

Methanol prices W. of Miss. R. are 3c. per gal. higher.

pure, group B, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½ - —
dms., c.l., Zone 1.....gal. .55½ - —
Zone 2.....gal. .57½ - —
Zone 3.....gal. .58½ - —
Zone 4.....gal. .61¼ - —
l.c.l., Zone 1.....gal. .58½ - —
Zone 2.....gal. .75½ - —
Zone 3.....gal. .62¼ - —
Zone 4.....gal. .75½ - —

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic,[5,6] pure, dms., c.l., Zone 1, frt. alld..gal. .34½ - —
2, frt. alld. or dlvd..gal. .36½ - —
3, frt. alld.....gal. .38½ - —
4, frt. alld.....gal. .40¼ - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .42¼ - —
3, dlvd., S. F. and L. A.. .....gal. .41 - —
4, frt. alld. or dlvd..gal. .52½ - .56½
tanks, Zone 1, frt. alld...gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½ - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, C.P., 97-99%, dms., c.l., E. of Miss. R..lb. .10¼ - .12
W. of Miss. R.....lb. .11½ - .13
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - .14
W. of Miss. Riv.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R.. .....lb. .09¼ - —
W. of Miss. R.....lb. .10½ - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .08 - .09
l.c.l., dlvd. E. of Miss., R. .....lb. .07½ -11
dlvd. W. of Miss. R..lb. .07½ - .10½
tanks, dlvd. E. of Miss. R. .....lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .20½ - —
Acetone, natural, dms., c.l., E. of Rockies, frt. alld..gal. .06 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

Methyl acetone prices W. of Miss. R. are 8c. per gal higher.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2.....gal. .44½ - —
Zone 3.....gal. .45½ - —
Zone 4.....gal. .45½ - —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½ - —
Zone 4.....gal. .54½ - —
l.c.l., Zone 1.....gal. .54½ - —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½ - —
Alcohol (see Methanol).
Anthranilate, 100-lb. lots.....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate, cns., 25 lbs.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .90
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. 36 - —

Methyl chloride, refrig., 60 to 400 lbs., cyl., mach., mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .39 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
cns.....lb. .37 - .40
Salicylate, dms.....lb. .35 - .37
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis lb. .28 - —
Methylcellulose, specl, vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,900 lbs., frt. alld, lb. .65 - —
1 to 99 lbs., works....lb. .70 - —
std. vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —
Methylene blue, medicinal, kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrigeration, dms., works..lb. .15 - .25
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,* dms., tech., frt. pd. E. of Rocky Mts.lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Millwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
Mica, paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l. lb. .04½- —
l.c.l. .....lb. .05 - —
paper, wall, or coated, c.l..lb. .04½- —
l.c.l. .....lb. .05 - —
rubber, c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
biotite, c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less than carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R.

Milk powder, skimmed, when sold by manufacturers to the U. S. Government or any agency thereof, is 1c. less than the above prices on skimmed milk powder as sold to any consumer other than the U. S. Government or any agency thereof. Zone A is all states not included in Zone B. Zone B is Penna., N. Y., Md., Del., N. J., Conn., Mass., R. I., N. H., Vt., Me. and D.C.

Milk powder, skimmed, when sold by manufacturers, zone A, bulk, and quantity, bbls..lb. .13½- —
Zone B, same basis.....lb. .13¾- —
spray, roller, Zone A, same basis..lb. .15¼- —
Zone B, same basis.....lb. .15¾- —
whole, roller, bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .29¾- —
spray, bbls., c.l.....lb. .30 - —
l.c.l. .....lb. .30¼- —
Milk sugar, bbls., c.l.....lb. .25 - —
l.c.l., 10 bbls. or over.....lb. .26 - —
less than 10 bbls.....lb. .27 - —
Millet seed, yellow, bgs.....lb. .03½- .04¼
early fortune, bgs.....lb. .03¾- .04¼
hulled, bgs.....lb. .07 - .12
Mineral spirits (see Petroleum thinners and V. M. & P. naphtha).
Molasses,[1,5] blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.20.00 - —
Area 4, same basis....ton.24.20 - —
Area 5, same basis....ton.33.20 - —

Note—Area No. 1 is La., Fla., Tex. and Ga. Area No. 2 is N.Y., Penn., Md., Mass. and N.J. Area No. 3 is Ore., Wash. and Cali. Area No. 4 is Id., Utah, Mont., Colo., Wyo., Kan., S.D. and Neb., excluding Grand Island. Area No. 5 is Ind., Mich., Ohio, Wis., Minn., Ia., and Grand Island, Neb.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,* kgs., 99%, powd..lb. 2.60 - 3.00
trioxide,* pure, kgs., basis Mo. content, works..lb. .96 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .43 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine,* dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
55 gals.....lb. .07 - —
10 gals.....lb. .08 - —
5 gals.....lb. .09 - —
tanks .....lb. .05 - —
Monoethylaniline, dms.....lb. .47 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .07 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots. oz.45.00 -50.00
synth, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.35 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more..lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, California, brown, good, bgs..lb. .14½- .15
yellow, bgs.....lb. .10 - .10½
Montana, yellow, bgs.....lb. .09 - .09½
Washington, yellow, bgs....lb. .09 - .09½
Myrobalans,* J1, bgs., f.a.s...ton.73.00 - —
J2, bgs., f.a.s.....ton.70.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,* dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .03 - —
50-lb. cs., same basis....lb. .03¼- —
pkgs. (16-oz.), same basis.lb. .03¾- —
(12-oz.), same basis...pkg. .07 - —
Neocinchophen, USP., 100-lb. lots, dms..lb. 7.00 - —
50-lb. lots.....lb. 7.05 - —
25-lb. lots.....lb. 7.10 - —
Neroiin, cryst., cns .....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,* carbonate, bbls.....lb. .26 - .36½
Chloride,* bbls.....lb. .18 - .20
Cyanide,* 100-lb. dms.....lb. 1.40 - —
25-lb. bots.....lb. 1.50 - —
Oxide,* black, bbls.....lb. .35 - .38
Salt,* bbls.....lb. .13 - .13½
Nicotine,* sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nicotinamide, 25 to 100-lb. lots, bots..lb. 7.00 - 9.14
5-lb. lots, bots.....lb. 7.10 - 9.24
Niger seed, bgs.....lb. .15½- .16
Nikethamide .....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, ester-soluble,* 30-35, ½, ½ sec., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 sec. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, dms., l.c.l., wks.lb. .35 - —
Nitrogenous fertilizer material, dom., 16% ammon., bulk, f.o.b. Carrollville, Wis..unit-ton. 2.00 Nom.
Chemical, Ill.....unit-ton. 2.90 - —
Norfolk, Va.....unit-ton. No prices
Nitromethane, dms., l.c.l., wks. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, dms., l.c.l., works lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,* Aleppo, bgs.....lb. No prices
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).
Nutmegs,[1] E. I., 80's, bgs....lb. .75 - .76
West Indian, bgs.....lb. .25 Nom.
Nux vomica, bls.....lb. .09 - .11
powd., bbls., bxs.....lb. .12 - .16

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OVER THE YEARS you save money and get better flavor that lasts longer when you use . . . EXCHANGE OIL OF ORANGE.

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Exchange
OIL OF
ORANGE
U. S. P.

O

Oakbark extract,[6] 25% tan., bbls., c.l., works..lb. .0385- —
tanks ..... lb. .0325- —

Ocher (see Yellow)

Octane,[1] 100-140° C., industrial grade, dms., c.l., G.S..gal. .15½- —
l.c.l., G.S.....gal. .29 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —

Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —

Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. 3.50 - 6.00
sweet, exp., dms., cns.....lb. 1.75 - 2.00

Angelica, root, bots.....lb.125.00 -140.00
seed, bots.....lb.120.00 -140.00

Anilin (see A).

Anise, USP, cns., dms.....lb. 2.85 - 3.25

Apricot, kernel, cns.....lb. .38 - .55

Avocado, cns., dms.....lb. .80 - .95

Babassu,[1,5] tanks.....lb. 1110- —

Bay, W. I., 50-55%, cns....lb. 1.55 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.65 - 1.90

Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb.22.00 -35.00
Brazilian, cns.....lb.10.00 -10.25

Birch (see Oil, sweet, birch).

Birchtar, crude.....lb. 2.00 - 2.25
rectified, cns.....lb. No stocks

Bois de Rose, Brazil, cns....lb. 4.25 - 5.75
Mexican (see Lignaloe, wood).

Bone, dms., works.....gal. .65 - .70

Cade, USP IX (see Oil, juniper tar).

Cajeput, tech., dms.....lb. 1.85 - 2.25
free from metal, cns.....lb. 2.00 - 2.10
redistilled, cns.....lb. 2.15 - 2.30

Calamus, cns.....lb. No stocks

Camphor, sassafrasy, cns....lb. .45 - .55
dms.....lb. No prices
white, cns.....lb. .30 - .70
dms.....lb. No prices
dom., tech.....lb. .15 - —

Cananga, native, cns.....lb.11.75 -16.00
rectified, cns.....lb.11.25 -17.00

Capsicum (oleoresin), USP VIII, cns...lb. 3.75 - 5.50

Caraway, USP, cns.....lb.13.70 -17.00

Cardamom, bots.....lb.24.00 -34.00

Cassia, USP, cns.....lb.10.50 -12.00

Castor,[1,6] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l.....lb. .16 - —
cold pressed, USP, bbls., c.l., lb. .14 - —
l.c.l.....lb. .14½- —
cns. (1-gal.), l.c.l.....lb. .17¾- —
cns. (1-gal.), l.c.l.....lb. .15¾- —
dms., returnable, c.l....lb. .13¾- —
l.c.l.....lb. .14½- —
tanks.....lb. .13 - —
dehydrated, dms.....lb. .1860- —
l.c.l.....lb. .1900- —
tanks.....lb. .1770- —
extracted, No. 3, tech., bbls., c.l..lb. .13¾- —
l.c.l.....lb. .14¼- —
dms., returnable, c.l....lb. .13½- —
l.c.l.....lb. .14¼- —
tanks.....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —
75% (62% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13¼- —
80% (66% fat), dms., c.l..lb. .12½- —
l.c.l.....lb. .13½- —

Cedarleaf, USP, cns.....lb. 1.25 - 1.50
technical, cns.....lb. .90 - 1.10

Cedarwood, Southern, dms...lb. .65 - .85

Celery, bots.....lb.25.00 -30.00

Chaulmoogra, USP, cns.....lb. .38 - —

Chinawood (see Oil, tung).

Cinnamon, bark oil, bots....lb.25.00 -40.00
leaf oil, dms.....lb. 2.25 - —
Citronella, Ceylon, cns.....lb. 1.20 - 1.50
Java, cns.....lb. 2.25 - 3.00

Clove, makers, USP, cns....lb. 1.70 - 1.75

Coconut,[1,6] Manila, crude, bulk, c.i.f..lb. .0335- —
edible, ex tax.....lb. .0985- —

Cod,[6] Newf., dms.....gal. .90 - —

Codliver,[6] med., USP, 50-g'l. bbls. or dms..bbl.80.00 -88.00

Coriander, bots.....lb.22.00 -38.00

Corn,[1,6] crude, tanks, works..lb. .12¾- —
refd., bbls.....lb. .15½ Nom
Cottonseed,[6] cooking, bbls....lb. 16¾- —
salad, bbls.....lb. .17 - —

Creosote (see C).

Croton, NF, cns.....lb. 3.00 - 4.00

Cubeb, USP, cns.....lb. 4.50 - 6.50

Crude (see Petroleum, crude)

Cumin, bots.....lb. 8.00 -10.00

Cypress, bots.....lb.12.00 - —

Degras (see D).

Diliseed, bots.....lb. 6.25 - 8.00
weed, bots.....lb. 5.50 - 6.00

Dip (see D).

Erigeron, cns.....lb. 2.10 - 3.85

Eucalyptus, 70-75%, cns.....lb. .94 - .98
80-90%, cns.....lb. 1.00 - 1.14

Fennel, sweet, cns.....lb. 3.25 - 4.50

Fishliver,[1,6] 6,000 to under 60,000 units per gram—per million units. .10 - —
60,000 to under 200,000 units per gram..per million units. .15 - —
200,000 or more units per gram—per million units. .25 - —

Fuel (see Petroleum, fuel oil).

Gaultheria (see Oil, wintergreen leaf)

Geranium, Algerian, rose, cns..lb.14.00 -18.00
Bourbon, cns.....lb.12.50 -20.00
Turkish (see Palmarosa).

Grapefruit, cns.....lb. 1.85 - 2.05

Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .20 - .25

Ginger, dist., bots.....lb.20.00 -24.00

Guaiac wood, concrete, bots..lb. 4.50 - 4.75

Hemlock, cns.....lb. 1.15 - 1.35

Juniper berry, cns.....lb. 9.00 -16.00
wood, tech., cns.....lb. 1.50 - 1.55

Juniper, tar, USP, dms.....lb. 1.25 - 1.35

Lard,[6] common, 1, bbls.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½ - —
winter, strained, bbls.....lb. .15 - —
prime, burning, bbls.....lb. .16 - —
prime, ined., bbls.....lb. .15½- —

Laurel, bots.....lb. 5.00 Nom

Lavandin, cns., 25 lbs.....lb. 5.75 - 7.00

Lavender, flower, French, cns..lb. 8.25 -16.00
garden, cns.....lb. .55 - .75
spike, Spanish, tech., cns...lb. 3.50 - 4.50
pure, cns.....lb. 5.25 - 6.75

Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....No stocks
Terpeneless.....lb.40.00 -55.00
Uruguay, to arrive, 10 kilo cans...lb. 6.00 - 6.25

Lemongrass, cns., dms.....lb. 1.25 - 1.90

Lignaloe, wood, Mex., cns...lb. 3.25 - 3.50
Brazilian (see Bois de rose).

Lime, dist., Mex., cns.....lb. 7.00 - 7.70
Jamaica, cns.....lb. 9.00 -11.50
expressed, Jamaica, cns....lb.11.00 -12.50

Linseed, raw, dms., c.l....lb. .1540- —
l.c.l.....lb. .1560- —
5 to 9.....lb. .1600- —
less than 5.....lb. .1620- —
tankcar.....lb. .1500- .1520
tankwagon.....lb. .1520- .1540

Linseed oil drum shipments, plus $8 deposit per drum.

Boiled linseed oil, .004 over raw.

Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¾-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks. gal. .23½- .28
300 vis., 3, 0-10 pour, tanks..gal. .14½- .18
200-250 vis., 3, 15-25 pour, tanks..gal. .15 - .17½
Pennsylvania,[2] bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks. gal. .24 - .30
cylinder oils, 600-650 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .19 - .21
200 vis., 0-25 pour, tanks..gal. .21 - .23

Mace, dist. cns., dms.....lb. 4.50 - 6.50

Mandarin, Brazilian, cns.....lb. 6.75 - 9.00
Italian, coppers.....lb.15.10 - —

Menhaden,[1,6] crude, tanks, Balto..lb. .0630- —
ref'd, alkali, dms.....lb. .1270- .1290
kettle-bodied, dms.....lb. .1270- .1290
light-pressed, dms.....lb. .1170- .1190
tanks.....lb. .1090- —

Mineral, white (see Oil, white mineral).

Oil, mustard, artif., USP, cns..lb. 1.60 - 1.70
seed,[6] exp., dms.....lb. .13½- —

Neatsfoot,[6] 15° c.t., bbls....gal. 1.90 - —
20°, bbls.....gal. 1.80 - —
30°, bbls.....gal. 1.60 - —
pure, bbls.....lb. .18¼ Nom.

Neroli, bots.....lb.300.00 -375.00

Nutmeg, dist., cns., dms....lb. 4.50 - 6.50

Oiticica,[1,6] liquid, dms.....lb. .25 - —
solid, dms.....lb. .23 - —

Oleo,[5] 1, bbls.....lb. .13¾ Nom.

Olibanum, bots.....lb. 4.50 - 5.00

Olive,[6] denat., dms.....gal. 3.75 - 4.00
edible, Calif., dms.....gal 4.75 Nom.
imported, dms.....gal. 5.25 Nom.
foots, dms.....lb. .19 Nom.
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
35% (28% fat), dms., c.l.lb. No prices
l.c.l.....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices

Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Calif., cns.....lb. 2.25 - —
Argentine, 10-kilo cns....lb. 2.50 - 2.75
Brazilian, cns.....lb. 1.25 - 1.30
Florida, cns., dms.....lb. 1.40 - 1.50
Messina, USP, coppers..lb. No stocks
Mexic'n, sponge-press, cns.lb. 5.50 - 5.75
West Indian, cns.....lb. 5.00 - 5.50
sesquiterpeneless, bots....lb.195.00 - —

Origanum, Spanish, cs.....lb. 2.40 - 3.25

Palm,[1,5] Niger, bulk, c.i.f..lb. .0825- —

Palmarosa, cns.....lb. 4.85 - 6.25

Paraffin,[1] 320° flash, 60-70 vis., tanks, G.S..gal. .05¼- —
350° flash, 70-80@100 vis., 0/10 pour..gal. .08 - —
100-100 vis., 0/10 pour....gal. .08½- —
100-100 vis., 10/25 pour...gal. .08¾- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —

Oil, paraffin, 300° flash, 100-110 vis., tanks., G.S..gal. .05¾- —

Patchouli, cns.....lb. 6.45 - 9.00

Peanut,[1,5] crude, tanks, mill..lb. .13 - —
refd., edible, bbls.....lb. .16½ Nom.

Pennyroyal, dom., cns.....lb. 3.00 - 3.10
import. cns.....lb. 2.50 - 3.00

Peppermint, natural, dms....lb. 5.50 - 5.75
redist., USP, cns., dms....lb. 5.80 - 6.95

Perilla,[1,5] crude, dms.....lb. .24.50- —

Petitgrain, Paraguay, cns...lb. 1.75 - 2.00
dms.....lb. 1.70 - 1.95

Pimento berry, cns.....lb. 8.00 - 8.75
leaf, cns.....lb. 4.75 - 5.25

Pine, tanks, works.....gal. .55 - —

Pineneedle, Siberian, cns....lb. 3.00 - 3.25

Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .23½- —
contracts.....gal. .19½- —
dms., c.l., Whiting Ind.gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis...gal. .18 - —
Martinez, Cal.....gal. .28 - —

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] denat., bulk, c.l.f. lb. .1150- —
Red,[5] dms., dlvd.....lb. .13¾- .14¼
tanks, dlvd.....lb. .12¾- —

Rose, natural, coppers.....oz.13.00 -35.00

Rosemary, Spanish, cns.....lb. 1.60 - 2.35
dms.....lb. 1.50 - 2.25

Rosin, 1st rectified, dms....gal. .60 - —
2d rectified, dms.....gal. .62 - —
3d rectified, dms.....gal. .66 - —

Rue, bots.....lb. 7.50 -13.50

Sage, Spanish, cns.....lb. 3.50 - 3.75

Sandalwood, NF, dist., cns...lb. 6.00 - 6.10
Mysore, cns., case lots....lb. 7.00 - 7.25

Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0890- —

New Synthetic Gum Jellies with COLLORESIN

A Water Soluble Methyl Cellulose

Dimethyl Ether of Cellulose, a white fibrous solid which dissolves in water.

Resistant to the action of alkalies and dilute acids giving a clear colorless solution.

Colloresin is of interest to the manufacturer of cosmetics and pharmaceuticals as a replacement for natural gums and in the manufacture of Liquid Dentifrices, Tooth Pastes, Creams, Soapless Shampoos, Hair Grooms, Wave Sets, Brushless Shaving Creams, etc. Tentative formulas for the above are available as well as instructions as to methods of its employment.

Available in seven viscosities.

GL 4C

Non Toxic Emulsifying, Detergent, Foaming, Wetting Agent

A protein-amino acid condensate exceptionally fine for liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

GL 4C may be readily used with Colloresin in the manufacture of these products.

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, sardine, ref'd, alkali, dms. lb. .1270- .1290
kettle-bodied, dms. lb. .1370- .1390
light-pressed, dms. lb. .1170- .1190
tanks lb. .1000- —
Sassafras, artif., cns. lb. 2.00 - 2.25
natural, dom., cns., dms. lb. 1.95 - 2.40
Savin, cns. lb. 16.00 -25.00
Savory, cns. lb. 8.00 - 8.25
Sesame, tanks, Pac. coast. lb. .15 Nom.
Shingle st'n, bbls., c.l., wks. gal. .19 - —
l.c.l., works gal. .20 - —
tanks, works gal. .14 - —
Snakeroot, Canada, cns. lb. 12.75 - —
Soybean,[1,5] cr., tank, mill. lb. .1175- —
clarif., dms. lb. .1290- .1340
tanks lb. .1259- —
refd., varnish, dms. lb. .1389- .1400
tanks lb. .1340- —
Spearmint, dms. lb. 3.00 - 3.50
Sperm,[1,6] bleach, 38°, dms. lb. .1301- —
natural, dms. lb. .1223- —
Spruce, cns., dms. lb. 1.15 - 1.40
Sunflower,[1,5] tanks. lb. .1430- —
Sweet birch, North, cns. lb. 4.75 - 6.00
South, cns. lb. 2.50 - 4.75
Tall, crude, dms., c.l., wks. ton. 55.00 - —
l.c.l., works ton. 60.00 -65.00
tanks, works ton. 40.00 - —
refined, dms., c.l., works. lb. .05 - —
l.c.l., works lb. .05½ - —
tanks, works lb. .04½ - —
Tallow,[5] acidless, bbls. lb. .14¼- —
tanks lb. .13¾- —
Tansy, cns. lb. 3.00 - 4.00
Tar, pine, dms., E. cities. gal. .30 - .33
tanks gal. .24½- —
rect., USP, bbls. gal. .60 - —
Tar acid (see C).
Thyme, NF, red, cns. lb. 2.50 - 4.00
white, cns. lb. 2.85 - 4.75
Oil, tung,[1,6] dms. lb. .39 - —
tanks lb. .38¾- —
Turkey red (see Castor, sulphonated).
Turpentine (see T).
Vetiver, Java, bots. lb. 25.00 -40.00
Whale, ref., natural, dms. lb. .1070- —
Winter, bleach, dms. lb. .1110- —
Wheat germ, dms., 100-gal. gal. 10.00 - —
25-gal. gal. 12.50 - —
10-gal. gal. 13.50 - —
White, mineral, tech., 50-55 vis., returnable, dms., c.l. gal. .36 - —
l.c.l. gal. .42 - .45
65/75 vis., c.l. gal. .36 - —
l.c.l. gal. .42 - .45
USP, 80/90 vis., dms., c.l. gal. .39 - —
l.c.l. gal. .45 - .48
95/105 vis., dms., c.l. gal. .44½- —
l.c.l. gal. .50½- .53½
125/135 vis., dms., c.l. gal. .49 - —
l.c.l. gal. .55 - .58
145/155 vis., dms., c.l. gal. .51 - —
l.c.l. gal. .57 - .60
175/185 vis., c.l. gal. .54½- —
l.c.l. gal. .60½- .63½
200/210 vis., c.l. gal. .58 - —
l.c.l. gal. .64 - .67
320/330 vis., c.l. gal. .65 - —
l.c.l. gal. .71 - .74
335/345 vis., c.l. gal. .66 - —
l.c.l. gal. .72 - .75
f.o.b. San Francisco, 55 vis., returnable bbls., c.l. gal. .40 - —
5 bbls. gal. .43 - —
85 vis., c.l. gal. .40 - —
5 bbls. gal. .45 - —
100 vis., c.l. gal. .49½- —
5 bbls. gal. .45 - —
145 vis., c.l. gal. .57 - —
5 bbls. gal. .52 - —
180 vis., c.l. gal. .60½- —
5 bbls. gal. .65½- —
Oil, white, mineral, USP, f.o.b. San Francisco, 340 vis., c.l. gal. .72 - —
5 bbls. gal. .77 - —
Russian gal. No prices
Wintergreen, North, cns. lb. 5.50 - 8.50
South, cns. lb. 4.00 - 5.25
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. lb. 2.75 - 3.00
Wormwood, cns. lb. 4.25 - 5.00
Yyang-ylang, Bourb., bots. lb. 20.00 -28.00
Manila, bots. lb. 40.00 -45.00
Olivine, aggregate, c.l., mines. ton. 7.00 -11.00
Lumps, same basis ton. 7.00 - —
Spalls, same basis ton. 5.00 - —
Crushed, 8 mesh, bulk, c.l., works ton. 8.00 - —
paper bgs., c.l., works ton. 9.50 - —
325 mesh, c.l., mines ton. 20.00 - —
200 mesh, c.l., mines ton. 17.00 - —
100 mesh, c.l., mines ton. 15.00 - —
20 mesh to dust ton. 12.00 - —
Opium gum, USP, 50-lb. lots, cns. lb. 13.00 - —
25-lb. lots, cns. lb. 13.25 - —
5-lb. lots, cns. lb. 13.50 - —
1-lb. lots, cns. lb. 13.65 - —
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, Lake, Persian, bbls. lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. lb. .12¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .12¾- —
Colo., Mont., N. M., Wyo. lb. .12½- —
dlvd. other points. lb. .12 - —
Orange, mineral, Amer., bbls., smaller lots, dlvd. Ala., etc. lb. .12¾- —
Ariz., etc. lb. .13½- —
Colo., Mont., N.M., Wyo. lb. .12 - —
Other points. lb. .12½- —
Molybdate,[6] bbls. lb. .31 - —
Toner, bbls. lb. .80 - .105
Orangeflower petals, cs. lb. .45 - .75
Haitian, bgs. lb. .09 - .10
sweet, bls. lb. .17 - .20
Orange peel, bitter, bbls. lb. .80 - .91
Oregano, Mexican, bgs. lb. .15 - .16
Orris root, African, bls. lb. .95 - 1.00
powd., bbls., bxs. lb. 1.05 - 1.10
Portuguese, bls. lb. .45 - .46
Verona, bls. lb. 1.25 - 1.30
Orthoamylphenol, l.c.l., dms., works. lb. .25 - —
Orthoanisidin, bbls. lb. .70 - —
Orthochloranilin, dms. lb. .60 - .70
Orthochlorophenol, dms. lb. .32 - —
Orthocresol,[8] 30.4° C. Min. M. P., dms., c.l., works. lb. .17½- .18
l.c.l., same basis. lb. .18 - .18½
Orthocresol, 29° Min. M. P., dms., c.l., works. lb. .16½- .17
l.c.l., same basis. lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .06 - .07½
l.c.l., same basis. lb. .07 - .08½
100-lb. tins, same basis. lb. .08 - .09
50-lb. tins, same basis. lb. .09 - .10
tanks, same basis. lb. .05½- .06¼
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms. lb. .45 - —
Orthonitrochlorobenzene, dms. lb. .15 - .18
Orthonitroparachlorophenol, cns. lb. .75 - —
Orthonitrotoluene, dms. lb. .09 - —
Orthophenetidin, dms. lb. .82 - —
Orthotoluidin, dms. lb. .19 - —
Osage orange, crystals, bgs. lb. .23 - —
extract, bbls., No. 1 lb. .11 - —
No. 2 lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works. lb. 3.50 - —
bots., cns., 1-50 lbs. lb. 3.75 - 4.15

P

Papain, powd., cs. lb. 3.90 - 4.00
Paprika,[1] Portuguese, extra fancy, bgs. lb. .36 - .37
good, old crop, bgs. lb. .32½- .33
Spanish, extra fancy, cs. lb. .51 - .52
good, bgs. lb. .42 - .43
medium, cs. lb. .41 - .42
Parachlorophenol, dms. lb. .32 - —
Paracymene, refd., dms. gal. .75 - 1.25
Paradichlorobenzene, dms., c.l. lb. .11 - .13
l.c.l. lb. .12½- .15
Paraffin,[1] crude scale and semi-refined, 122-124 A.M.P., slack bbls. or solid in 100-kilo bgs., 10,000 lbs., f.o.b. refinery. lb. .04¼- —
124-126 A.M.P., same basis. lb. .04¼- —
126-128 A.M.P., same basis. lb. .04½- —
128-130 A.M.P., same basis. lb. .04¾- —
130-132 A.M.P., same basis. lb. .05 - —
132-134 A.M.P., same basis. lb. .05¼- —
134-136 A.M.P., same basis. lb. .05½- —
fully refd., 120-122 A.M.P., bbls., slabs, loose, same basis. lb. .06 - —
123-125, A.M.P., slabs, loose, same basis. lb. .0520- —
120-122 A.M.P., slabs, loose, same basis. lb. .0520- —
128-130 A.M.P., slabs, loose, same basis. lb. .0560- —
130-132 A.M.P., slabs, loose, same basis. lb. .0585- —
131-133 A.M.P., slabs, loose, same basis. lb. .0585- —
133-135 A.M.P., slabs, loose, same basis. lb. .0613- —
135-137, A.M.P., slabs, loose, same basis. lb. .0640- —
138-140 A.M.P., slabs, loose, same basis. lb. .0715- —
141-143 A.M.P., slabs, loose, same basis. lb. .0765- —
143-145, A.M.P., slabs, loose, same basis. lb. .0810- —
145-150 A.M.P., slabs, cartons, same basis. lb. .0860- —
146-148 A.M.P., slabs, loose, same basis. lb. .0930- —
149-151 A.M.P., slabs, loose, same basis. lb. .1014- —
160-165 A.M.P., f.o.b. refinery, San Francisco, c.l. lb. .14 - —
Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., is 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.
Paraformaldehyde,[8,9] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia or N.Y.C. lb. .23 - —
100 to 900 lbs., shipments, same basis. lb. .24 - —
Paranitrophenol, kgs. lb. .35 - —
Paraldehyde, tech., 95%, 55 and 110-gal. dms., l.c.l., works. lb. .12 - —
5 and 10-gal. dms., works. lb. .15 - —
USP, cns, cbys. lb. .35 - .45
Paranisidine, dms. lb. .75 - —
Paranitroanilin, kgs., works. lb. .45 - —
Paranitrochlorobenzene, kgs. lb. .15 - —
Paranitrotoluene, kgs. lb. .30 - —
Paraphenylenediamine, bbls. lb. 1.25 - 1.80
Paratoluenesulphonamide, bbls. lb. .70 - —
Paratoluidin, bbls. lb. .48 - —
Pareira brava root, bls. lb. .21 - .27
Paris green, dealer, dms., kgs., c.l., f.o.b. wks., frt. alld. lb. .24 - .26
l.c.l., same basis. lb. .25 - .27
Passion flower, herb, bls. lb. .08 - .09
Patchouli leaves, bls. lb. .35 - .40
Peanut meal, 45-47% protein Southern Alabama-Georgia mills, March delivery ton. 35.00 - —
48-50%, same basis ton. 37.00 - —
51% or more, same basis. ton. 39.00 - —
Pectin, 200-lb. bbls. lb. .80 - —
Pellitory root, bls. lb. .65 - .70
Pennyroyal leaves, bls. lb. .15 - .16
Pentachlorophenol, dms., works. lb. .20 - .25
Pentaerythritol,[8] C.P., bbls., dlvd. lb. .75 - —
less than barrel lots. lb. 1.00 - —
tech., bbls., dlvd. lb. .33½- .35½
less than barrel lots. lb. .40 - —
Tetra acetate, bbls., dlvd. lb. 1.00 - —
less than barrel lots. lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., G.S. gal. .11 - —
l.c.l., G.S. gal. .19 - —
tanks, G.S. gal. .06½- .07¼
laboratory grade, dms., c.l., G.S. gal. .16 - —
l.c.l., G.S. gal. .20 - —
10 gal., G.S. gal. .55 - —
Pepper, black,[1] 15 tons, bgs. lb. .0663- .0675
50 to 100 bgs. lb. .0705- .0715
White,[1] 15 tons, bgs. lb. .1161- —
24 bgs. lb. .1295- .1305
red, chillies, dom., bgs. lb. .20½- .21
Mombassa, bgs. lb. .23 - .24
Sierra Leone, bgs. lb. .22½- .23
Peppermint, USP, dom., bls. lb. .45 - .50
import, bls. lb. .96 - 1.10

AMERICA needs and is getting more food than ever before. More food—and food of better quality. By the scientific use of plant foods—potash, phosphate and fertilizer—our farmers are producing, with less labor, the largest crops in the nation's history. From International's potash mines in New Mexico and phosphate rock mines in Florida and Tennessee come the essential ingredients for the manufacture of fertilizer. And at more than twenty plants, International manufactures several hundred thousand tons of complete fertilizer each year for a wide variety of food crops. International is proud to contribute so importantly to the farmer's achievement in producing record-breaking crops of the high quality food so urgently needed for our workers at home and for our fighting forces throughout the world. *International Minerals & Chemical Corporation, General Offices: 20 North Wacker Drive, Chicago.*

International
MINERALS AND CHEMICALS
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PHOSPHATE · POTASH · FERTILIZER · CHEMICALS

Perchlorethylene,[5] dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock point..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following state:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind, Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru balsam, dms.....lb. 1.25 - 1.30

Petrolatum, USP XII, amber, fiber dms., non-returnable.lb. .03¾- —
l.c.l. .....lb. .04¾- —
extra amber, c.l.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
cream, c.l. .....lb. .04¾- —
l.c.l. .....lb. .06¼- —
yellow, soft, c.l.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
white, USP XII, lily, c.l...lb. .05½- —
l.c.l. .....lb. .07 - —
snow, c.l. .....lb. .06¾- —
l.c.l. .....lb. .07¾- —
soft, c.l. .....lb. .05¾- —
l.c.l. .....lb. .06¼- —
dark, bbls., returnable, c.l., Group 3..lb. .021 - —
golden topas, c.l. .....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, c.l.....lb. .024 - —
l.c.l. .....lb. .028 - —

Petroleum, crude, bulk, at wells, California .....bbl. .80 - 1.23
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.36
Oklahoma-Kansas .....bbl. .75 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00
Texas, East .....bbl. 1.25 - 1.43
West .....bbl. .70 - 1.12
Wyoming .....bbl. 1.12 - —

Ether, laboratory grade, 30-60° C., c.l..lb. .18 - —
l.c.l. .....gal. .29 - —
10 gals. .....gal. .55 - —
35-60° C., l.c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals. .....gal. .53 - —

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums.

Fuel oil, at refinery:—
Oklahoma, No. 3, tanks..gal. .03½- —
No. 6 .....bbl. .90 - —
14-16 .....bbl. .97 - —
Group 3, No. 3, tanks...gal. .03½- —
No. 5 .....bbl. .85 - —
No. 6 .....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Arkansas, No. 1, tanks...gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
Pennsylvania, No. 1, tanks, gal. .06¼- .06½
Nos. 2 and 3.....gal. .06¾- .07⅛
California, heavy.....bbl. .80 - .85
light .....bbl. .90 - .95
diesel, tanks .....gal. .03 - .05

Bunker fuel oil, f.o.b. New York harbor..bbl. 1.65 - —
Philadelphia .....bbl. 1.62 - —
Portland, Me. .....bbl. 1.65 - —
Boston, Mass. .....bbl. 1.65 - —
Charleston, Mass. .....bbl. 1.60 - —
Savannah, Ga. .....bbl. 1.60 - —
Norfolk, Va. .....bbl. 1.65 - —
Providence, R. I. .....bbl. 1.65 - —
Baltimore, Md. .....bbl. 1.65 - —
Jacksonville, Fla. .....bbl. 1.60 - —
Port Tampa, Fla.....bbl. 1.55 - —
New Orleans, La.....bbl. .85 - —
Port Arthur, Tex.....bbl. .83 - —
Houston, Tex. .....bbl. .85 - —
Texas City.....bbl. .85 - —

Lacquer diluent, at refinery:—
California, 100 l.b.n. 200 e.p., tanks, dlvd., Los Angeles, gal. .11 - —
Fort Welles, Wash....gal. .12 - —
San Francisco .....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11½- —
Group 3, benzol type, tank-cars..gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- .07¼

Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-232 b.r., tanks, gal. .10½- —
193-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
382-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10 - —
Group 3 tanks.....gal. .06½- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon, Baltimore, 25-100 gals..gal. .13 - —
100 gals. or more....gal. .12 - —
Boston .....gal. .12 - —
Bridgeport, Cnn. .....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J. .....gal. .11 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo. .....gal. .1480- —
Lancaster, Pa. .....gal. .12 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis .....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C. .....gal. .13 - —
Wilmington, Del. .....gal. .13 - —

Naphtha, cleaners at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tank-cars..gal. .11 - —
N. J., tankcars.....gal. .11 - —
Group 3, tankcars.....gal. .07⅛- —
Gulf Coast (f.o.b. New Orleans), tankcars..gal. .06¾- —
tankwagon, Boston.....gal. .13 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .12 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —

Petroleum, naphtha, high-solvency, aromatic, No. 1,[5] over 76% arom., tanks, f.o.b. Bayway..gal. .21¼- —
No. 2,[6] over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 8,[6] tanks, f.o.b. Bayway, N. J., frt. alld..gal. .228 - —
No. 30,[6] tanks, f.o.b. Kingsland, N.J., frt. alld..gal. .223 - —
No. 40, tanks, f.o.b. Wilmington, Cal..gal. .13½- —

V.M.&P., at refinery:—
California, 46.5 264 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 100 l.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Mnneapols .....gal. .1520- —
Newark (200 gal.).....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N.Y., tanks.gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07¼- .07½

Petroleum, solvent, Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Phenobarbital, 5-lb. tns.....lb. 3.60 - 3.70
dms., 100 lbs., spot or contract lb. 3.50 - —
Phenol,[6] USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same bass.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., 100-250 lbs..lb. .87 - .90
yellow, fib. dms., 2,000 lbs..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenothiazin, unmodified, fib. dms., 2,000-lb. shipt.....lb. .55 - —
150 lbs., same terms.....lb. .65 - —
50 lbs., same terms.....lb. .70 - —
100 lbs., same terms.....lb. .67 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, 50% solut., bots..lb. 2.75 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 5.00 - 5.25
Phenylethylphenyl acetate, bots. lb. 8.00 -15.00

Phenylhydrazin, base, CP., bots. lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, 100-lb. lots, fib. dms., wks..lb.13.75 - —
5-lb. lots, fib. dms., wks..lb.14.75 - —
tech., 1,000-lb. lots, fib. dms., wks..lb.12.00 - —
100-lb. lots, fib. dms., wks.lb.12.50 - —
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock,[1,6] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% B. P.L., according to provisions of Maximum Price Regulation 240, bulk, f.o.b. car, mine, c.l....long ton. 2.00 - —
70%-80% B.P.L., M.P.R., 240 provisions, same basis.... long ton. 2.40 - —
72%-70% B.P.L., M.P.R. 240 provisions, same basis.... long ton. 3.00 - —
75%-74% B.P.L., M.P.R. 240 provisions, same basis.... long ton. 4.00 - —
77%-76% B.P.L., M.P.R. 240 provisions, same basis.... long ton. 5.00 - —
finely ground, M.P.R. 240 provisions, same basis.... short ton. 2.75 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.00 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.25 - —
All pebble 50c. per ton higher than above prices.
Tenn., brown unground, run-of-mine, washed, dried, 68%-66% B.P.L. f.o.b. cars, mines, c.l..long ton. 4.30 - —
70%-68% B.P.L. 5% I. & A., M.P.R. 240 provisions, same basis..long ton. 4.80 - —

PENN SALT

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Prompt shipments in tank cars specially designed for fast, easy, safe unloading

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The improved, insulated design assures *fluid* caustic in cold weather. And the easily accessible fittings save unloading time and prevent waste. Furthermore, the dome safety platform and guard railing protect your workmen.

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Phosphate rock, Tenn., 72%-70% B.P.L., 5½% L.&A., M.P.R. 240 provisions, same basis, long ton. 5.30 - —
finery ground rock, M.P.R. 240 provisions, same basis, short ton. 4.50 - —
30% P_2O_5, same basis..... short ton. 4.70 - —
31% P_2O_5, same basis..... short ton. 4.80 - —
32% P_2O_5, same basis..... short ton. 5.00 - —
33% P_2O_5, same basis..... short ton. 5.50 - —

Phosphorus, red amorphous, cs., lb. .40 - .44
tins for export..... lb. .55 - —
yellow,[5] dms..... lb. .18 - .20
cases..... lb. .23 - .25
Oxychloride,[6] cyls..... lb. .15 - .18
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., dms., works..... lb. .13 - .14
Sesquisulphide, cs..... lb. .38 - .42
Trichloride, cyls..... lb. .15 - .16

Phthalamide, bbls., wks..... lb. .35 - —
single, bbls., works..... lb. .40 - —
kgs., works..... lb. .45 - .50
Phthalic anhydride,[4] bbls., c.l., works, frt. alld. E. of Miss. lb. .14½ - —
l.c.l., same basis..... lb. .15½ - —
Pichi leaves, bgs..... lb. .08 - .09½
Picrotoxin, bots..... oz. 8.00 - —
Pilocarpine, hydrochloride, bots., vls...oz. 3.90 - 5.25
Nitrate, bots., vls..... oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs..... lb. .25½ - .26
Mexican (see Allspice, Mexican).
Pinkroot, bls..... lb. .63 - .80
Piperazine hexahydrate, 100-lb. lots, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works...ton.19.00 - —
l.c.l. ..... ton.22.00 - —
Pitch, hardwood, 1-time, dms., c.l., divd., Akron..ton.23.75 -24.00
Linseed, dms..... lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms. .....100 lbs. 3.25 - —
Stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum)
Pleurisy root, Southern, bis...lb. .12 - .13
Podophyllin, dms., divd. E. of Miss..lb. 8.75 - 9.00
Pokeroot, bbls..... lb. .10 - .11
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs..... lb. 1.05 - 1.10
Root bark, bgs..... lb. .80 - .85
Poppy flowers, red, bls..... lb. .95 - .95
seed,[5] Dutch, bgs. ..... lb. .50 - .52
Indian, white, bgs..... lb. .10 - .10½
Turkish, bgs..... lb. .36 - .37
Potash, abietate..... lb. .08 - —
Acetate, USP, bbls., dms...lb. .28 - —
cns., 25 lbs..... lb. .31 - .44
Arsenite,[6] USP, solut., 100-lb. lots, cbys., dmis..lb. .13 - .15
Bicarbonate, USP, cryst. or gran., bbls., kgs., 300 lbs., lb. .19 - .21
Bichromate[2,5], spot, c.l., cks., bbls., works..lb. .09½- —
6 casks or 10 bbls. or over, works..lb. .09¾- —
5 casks or 9 bbls. or less, works..lb. .10 - —
Potash bichromate in bgs., ¼c. less.
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs..... lb. .28 - .32
Carbonate, calc., dome., c.l., works..lb. .06½- —
l.c.l., same basis..... lb. .06¾- —
hydrated, 82-85%, bbls., c.l., works..lb. .05½- —
l.c.l., dms., same basis..lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis..... lb. .02¾- —
USP, gran., bbls., 325 lbs...lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs..... lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l., works..... lb. .07½- —
liquid, 48% basis, dms.....lb. .03¼- .03¼
tanks ..... lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. ..... lb. .06¼- .06¾
Chlorate,[2,5] cryst., kgs., wks. lb. .11 Nom.
powd., kgs., works..... lb. .09¾- .10
exp't., 1 to 10 tons, kgs., ex whse...lb. .18 - .20
Chloride, tech., 98%, cryst., bgs., kgs..lb. .06 Nom.
Chromate,[2,5] bgs..... lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms..... lb. .34½- —
25-lb. dms..... lb. .35½- —
25-lb. dms..... lb. .37½- .38¼
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
gold, 41% gold, bots., works, oz.14.20 -14.95
Fluoride, bbls..... lb. .34 - .40
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - 1.52
100-lb. lots..... lb. 1.60 - 1.62
50-lb. lots, cbys. or cns.lb. 1.65 - 1.67
25-lb. lots, cns..... lb. 1.75 - 1.77
Guaiacolsulphonate, NF, flb. dms., 100-lb. lots..lb. 1.75 - —
Hydroxide, USP, sticks, dms., 100 lbs. to 1,000 lbs..lb. .34 - .36
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs..... lb. .75 - —
Iodate, bots., 5 lbs..... lb. 3.46 - —
cns., 25 lbs..... lb. 3.35 - —
Iolide, bots. or cans..... lb. 1.44 - 1.48
dms. ..... lb. 1.35 - 1.38
Kainit, 20% K_2O bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom.,[5] 22%, K_2O, f.o.b. Carlsbad, N. M., unit-to.. .20 - —
25% K_2O, same basis..unit-ton. .21 - —
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs..... lb. .18 - .19
CP, cryst., 300-lb. bbls.....lb. .24 - —
purified, 300-lb. bbls..... lb. .23 - —
Muriate, dom.,[5] 60-62-63%, K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
granular, 50-52, K_2O..... unit-ton. .56 - —
Russian,[6] offered from consignments afloat, subject to safe arrivals..unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price; basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Oxalate, pure, cryst., kgs.....lb. .40 - .42
tech., bbls., dms..... lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate,[4,6] kgs., works..lb. .09½- .11
Permanganate, tech., dms., works..lb. .20¾- .22
USP, dms., works..... lb. .21¾- .22¾
Prussiate, red, bbls., dms....lb. .70 - .75
Yellow, bbls..... lb. .16 - .17

Potash, ricinoleate, tech., bbls., lb. .15 - —
Silicate alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 20°Be, ret. dms., c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
solut., 40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powd., 500 lbs., bbls..lb. .15 - —
100-lb. kgs..... lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90-95%, K_2SO_4, min. 90%, ex vessel, Atl. or Gulf ports. ton.36.25 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms..... lb. .55 - .65
Xanthate, dms., c.l..... lb. .12 - —
Potash-magnesia, sulphate, dom., b u l k, min. 40%, K_2SO_4, 18.50% MgO, ex vessel, ports. ton.26.00 - —
Potash-soda ferricyanide, dms. works...lb. .40 - .42
Potash-titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms..... lb. .50 - —
Prickly ash bark, bls.....lb. .11 - .12
Berries, bgs..... lb. .23 - .25
Prince's pine herb bls.....lb. .33 - .34
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans..... lb. 8.25 - 8.50
1-lb bots..... lb. 8.75 - —
Propane,[3] industrial grade, tanks, f.o.b. Group 3..gal. .03¼- .03½
Psyllium seed (see Fleaseed).
Pulsatilla, bls..... lb. .68 - .69
Pumice, grd., fine, f.o.b. New York, 2,000 lbs. and up..lb. .03¾- —
500-1,999 lbs..... lb. .03¾- —
100-499 lbs..... lb. .04 - —
coarse, O¾, ¾, 1, 1¼, 2, 3, bgs., f.o.b. Chi., 2,000 lbs.lb. .04¼- —
New York, 2,000 lbs. up..lb. .03¾- —
500-1,999 lbs..... lb. .03¾- —
100-499 lbs..... lb. .04¼- —
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs..... lb. .12 - .18
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., divd., gal. 3.75 - —
(50 to 1), 8 grams pyrethrins per 100 cc., dms., divd..gal. 9.33 - —
Pyrethrum flowers,[6] coarse-grd. (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb. .27 - .28
fine-grd., 0.9% pyrethrins, bbls. lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
powd., 0.5 pyrethrins, frt. alld., bbls...lb. .23 - —
Pyridin,[6] denaturing, dms....gal. 1.71 - —
refd., 2°, dms..... lb. .46 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton.10.00 - —
325 mesh, same basis.....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works..... lb. .10 - —
China, white, ivory, cs., wks.lb. .13 - —
dense, white, cs., works.....lb. .10 - —
gray, cs., works..... lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., wks.lb. .10 - —
transparent, cs., works.....lb. .26 - —
colors, cs., works..... lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works..... lb. .15 - —

Q

Quassia chips, dom., bls.....lb. .06 - .08
Quebracho extract,[6] solid, 62%, bgs., c.l., ex dock, plus duty, Ft. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
dissolved, 25% tan., bbls., works..lb. .04¼- —
tanks, works..... lb. .04 - —
ground, bgs., c.l..... lb. .03¾- —
l.c.l., bgs..... lb. .09 - —
Queen of the meadow leaves, bgs..lb. .12 - .18
Root, bgs..... lb. .10 - .11
Quercitron, crystals, bgs.....lb .28 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2..... lb. .09¼- —
No. 3..... lb. .09 - —
solid, bgs..... lb. .18¼- —
Quicksilver,[1,4,5] dom., flasks (76 lbs. net), f.o.b. shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask 191.00 - —
Tex. and Ark. ..flask192.00 - —
Quicksilver freight $4.28 per flask to N.Y.; dealers' commission, 1%; brokers, 2%.
Quince seed, bgs..... lb. 1.45 - 1.75
Quinidine,[5] NF V, cryst., cns.oz. 1.08 + .13¼[6]
powd., precip., cns..... oz. 1.01 + .13¼
Sulphate, USP, cns..... oz. .71 + .13¼

[6] Subject to surcharge of 13½c. per oz.: see note under Quinine.

Quinine,[5] 100 oz., cns.....oz. .84 + 13¼[6]
Acetate, cns..... oz. 1.06 + .13¼
Arsenate, cns..... oz. 1.06 + .13¼
Arsenite, cns..... oz. 1.07 + .13¼
Bisulphate, cns..... oz. .60 + .13¼
Citrate, cns..... oz. .78 + .13¼
Dihydrobromide, bots..... oz. .86 + .13¼
Ethylcarbonate, cns..... oz. 1.25 + .13¼
Ferrocyanide, cns..... oz. 1.07 + .13¼
Formate, cns..... oz. 1.00 + .13¼
Hydrochlorosulphate, cns....oz. .81 + .13¼
Glycerophosphate, cns..... oz. 1.20 + .13¼
Hydrochloride, cns..... oz. .78 + .13¼
Hydroiodide, cns..... oz. 1.06 + .13¼
Hypophosphite, cns..... oz. 1.07 + .13¼
Phosphate, cns..... oz. .90 + .13¼
Salicylate, cns..... oz. .79 + .13¼
Sulphate, USP XII, cns.....oz. .67 + .13¼
Sulphocarbolate, cns..... oz. 1.05 + .13¼
Quinine, tannate, cns..... oz. .63 + .13½
Valerate, cns..... oz. .99 + .13½
Tartrate, cns..... oz. 1.03 + 13½

[6] Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[5] cns., oz. .81 + .13½

Subject to surcharge of 13½c. per oz.; see note under Quinine.

R

R salt, dry, bbls..... lb. .55 - —
paste, dms..... lb. .52 - —
Rapeseed,[1] Argentine, bgs.....lb. .09½- .10
dom., dwarf Essex, bgs...lb. .10 - .10½
Raspberries, dried, bls..... lb. .90 - 1.10
Red, alizarin lake,[5] bbls., divd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
400-2,000 lbs., bbls.....lb. 1.00 - —
100-300 lbs., pkgs.....lb. 1.05 - —
light shade, bbls., ton....lb. .80 - —
400-2,000 lbs., bbls.....lb. .85 - —
100-300 lbs., pkgs.....lb. .90 - —
medium shades, bbls., ton lots..lb. .85 - —
400-2,000 lbs., bbls.....lb. .90 - —
100-300 lbs., pkgs.....lb. .95 - —
maroon shade, bbls., ton..lb. 1.65 - —
400-2,000 lbs., bbls.....lb. 1.10 - —
100-300 lbs., pkgs.....lb. 1.15 - —
deep, bbls., ton lots.....lb. 1.15 - —
400-2,000 lbs., bbls.....lb. 1.20 - —
100-300 lbs., pkgs.....lb. 1.25 - —
medium shade, bbls., ton lots..lb. .90 - —
400-2,000 lbs., bbls.....lb. .95 - —
100-300 lbs., pkgs.....lb. 1.00 - —
Red, cadmium, lithopone quotations are f.o.b. Balto. or whse. points, charges prepaid or allowed E. of Rockies.
Selenide, bbls., light, works, lb.2.35 - —
maroon, works..... lb. 2.90 - —
Carmine 40, dms., 100 lbs...lb. 4.00 - —
50 lbs..... lb. 4.75 - —
cns., 5 lbs..... lb. 5.25 - —
1 lb..... lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Dyes (red) are listed under Dyes.
Eosin toner, bbls..... lb. 1.35 - —
Firetoner, bbls..... lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09½- —
80-85%, bbls., same basis, lb. .07¾- —
imp., English, all shades..lb. .12 - —
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, alizarin, bbls., same basis, contracts..lb. .90 - —
Litho toner, alizarin lake, bbls., same basis, contracts..lb. .60 - —
Rose, lake, bbls..... lb. .25 - .28
Pink, bbls..... lb. .20 - .25
Lithol-rubine toner, alizarin lake, bbls., same basis, contracts..lb. 1.10 - —
Maroon, alizarin, lake, 25%, kgs., same basis, contracts. lb. .40 - —
Mercury, oxide,[3] tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots..... lb. 3.11 - —
Metallic, bbls., Pa. works..lb. .62 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., wks.lb. .09 - —
l.c.l., bbls..... lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
50-lb. bgs..... lb. .096 - —
imported, English..... lb. .14½- —
Para,[3] toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., c.l. lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y. kgs..lb. 4.15 - —
Purple lake, kgs..... lb. .60 - 1.00
Scarlet ink toner, kgs., same basis..lb. .55 - —
Lake, alizarin, kgs., same basis..lb. .35 - —
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- .07¾
Toluidin toner, alizarin, lake, kgs., same basis..lb. 1.05 - —
Turkey ..... lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works..... lb. .0245- —
15%, bbls., works..... lb. .0265- —
20%, bbls., works..... lb. .02¾- —
25%, bbls., works..... lb. .03 - —
30%, bbls., works..... lb. .03¼- —
35%, bbls., works..... lb. .0360- —
40%, bbls., works..... lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
quicksilver, bbls..... lb. 3.05 - 3.15
Precipitate,[3] NF, powd., flb. dms., 50 lbs. or more..lb. 3.26 - —
Saunders wood, ground, bbls..lb. .35 - —
Resorcinol,[6] tech., 200-lb. dms., frt. alld. E. of Miss..lb. .65 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs..... lb. .09 - .10
Rhubarb, whole, bgs..... lb. 1.15 - 1.35
powd., bbls..... lb. 1.20 - 1.45
Riboflavin ..... gram. .65 - .68
Rice bran, concentrate, 573-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option..lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots..... lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't. lb. .42½- —
smaller lots..... lb. .43 - .46
Rose flowers, pale, bls.....lb. .30 - .35
red, bls..... lb. No prices
Rosemary flowers, bls.....lb. 1.35 - 1.60
leaves, Portuguese, bls.....lb. .11½- .12
Spanish, bls..... lb. .18 - .18½
Rosin, gum, ex dock:—
B, dms., bgs.....100 lbs. 3.65 - —
D, dms., bgs.....100 lbs. 3.73 - —
E, dms., bgs.....100 lbs. 4.00 - —
F, dms., bgs.....100 lbs. 4.07 - —
G, dms., bgs.....100 lbs. 4.17 - —
H, dms., bgs.....100 lbs. 4.17 - —
I, dms., bgs.....100 lbs. 4.20 - —
K, dms., bgs.....100 lbs. 4.30 - —
M, dms., bgs.....100 lbs. 4.41 - —
N, dms., bgs.....100 lbs. 4.50 - —
W.G., dms., bgs....100 lbs. 5.05 - —
W.W., dms., bgs....100 lbs. 5.35 - —
X, dms., bgs.....100 lbs. 5.35 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., same basis.....ton.27.50 - —
import, lump, bbls..... lb. No prices
powd., bbls..... lb. No prices
Rue, bls..... lb. 1.45 - 1.60

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Sabadilla seed, powd., bbls....lb. .31 - .32
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs..... lb. 1.48 - —
Safflower, bls..... lb. No prices
Saffron, Mexican, bls..... lb. .85 - .96
Spanish, tins..... lb.26.50 -28.00
Safrol, cns..... lb. 2.25 - 2.45
dms. ..... lb. No prices
Sage,[1] Calif., leucophylla, whole, Pacific Coast, bls..lb. .43 - .44
Dalmatian type, bls.....lb. .75 - .80
Cyprus, bls..... lb. .28 - .29
Greek, bls..... lb. 1.60 - 1.70
Spanish, bls..... lb. .29 - .30
Sago flower, bgs..... lb. .05 - .05¾
Salicin, bots., 5 lbs..... lb. 5.03 - —
cns., 25 lbs..... lb. 7.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs..... lb. .93 - —
kgs., 100 lbs..... lb. .90 - —
powd., fib. dms., 25 lbs....lb. 1.02 - —
kgs., 100 lbs..... lb. 1.00 - —
Salt, rock, bgs., c.l., divd. N.Y. ton.14.20 - —
l.c.l., bgs., divd. N.Y...ton.17.00 -18.00
Vacuum, common, fine, bgs., c.l., divd. N.Y..ton.15.70 - —
l.c.l., divd. N.Y..... ton.19.40 -20.90
Chrome (see Chrome cake).
Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.i.f.....ton.16.00 Nom.
Saltpeter, dbl. ref., gran., bbls., 10-20 tons..100 lbs. 8.20 - —
1-9 tons..... 100 lbs. 8.35 - —
less than ton lots..100 lbs. 8.60 - —
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
1-9 tons..... 100 lbs. 9.35 - —
less than ton lots....100 lbs. 9.60 - —
Sanguinarine nitrate, bots....oz. 2.75 - —
Santonin, cryst., cns.....kilo.210.00 -220.00
Saponin, No. 1, cns..... lb. 1.75 - —
No. 2, cns..... lb. 1.45 - —
Sarsaparilla root, American, bls. lb. .25 - .26
Honduras, bls..... lb. .59 - .60
Mexican, bls..... lb. .20 - .21
Sassafras, bark, ord., bls.....lb. .20 - .21
select, bls..... lb. .30 - .31
Savory, bls. ..... lb. .75 - 1.20
Saw palmetto berries, bgs.....lb. .09 - .14
Scammony root, bgs..... lb. .07 - .08
resin, lump, cns..... lb. 1.30 - —
powd., bxs..... lb. 1.35 - —
Schaeffer's salt, bgs..... lb. .46 - —
Scullcap, Eastern, bls..... lb. .23 - .32
Western, bls..... lb. .17 - .18
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots..... lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't...lb. .34¼- —
smaller lots..... lb. .34¾- —
Selenium, powd. A, 10-lb. tins..lb. 2.00 - —
100-lb cases..... lb. 1.75 - —
Senega root, spot, bls..... lb. .69 - .72
Senna leaves, Alex., half leaf, bls..lb. .22 - .28
siftings, bgs..... lb. .21 - .22
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls..... lb. .11¼- .12
3, bls..... lb. .10½- .11
powd., bbls., bxs.....lb. .15 - .17
Pods, bls..... lb. .13 - .16
Serpentaria root, bls..... lb. .75 - .85
Sesame seed,[1] Chinese, hulled, bgs..lb. .12¾- .13
Indian, natural, bgs..... lb. .10 - .10½
hulled, sterilized, bgs....lb. .12 - .12½
Shellac,[1,6] bleached, bonedry, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .42½- —
divd., Boston..... lb. .43½- —
Chicago ..... lb. .44 - —
Pacific Coast..... lb. .46 - —
refined, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .48½- —
Shellac, ref'd, divd. Boston...lb. .49½- —
Chicago ..... lb. .50 - —
Pacific Coast..... lb. .52 - —
Bone dry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more; (4) less than 100 lbs., regardless of packing, 5c. more.
Shellac,[1,6] 100 bgs. or more, D.C., V.S.O., or Diamond 1, bgs. lb. .4660- —
Garnet, bgs..... lb. .3890- —
Superfine, f.o.b. Boston, N.Y.lb. .3660- —
divd., Chicago..... lb. .3710- —
Pacific Coast..... lb. .3960- —
T.N., f.o.b. Boston, N. Y.....lb. .3550- —
divd., Chicago..... lb. .3600- —
Pacific Coast..... lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Shortening, trcs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, c.l., Ill., works..ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, c.l.....ton.18.00 - —
l.c.l., 5,000 lbs.....ton.19.00 - —
smaller lots.....ton.20.00 - —
wet-grd., 325 mesh, c.l., Ill., works..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, c.l.....ton.30.00 - —
l.c.l., 5,000 lbs.....ton.35.00 - —
smaller lots.....ton.38.00 - —
96-98%, 325 mesh, c.l....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.21.50 - —
smaller lots.....ton.23.00 - —
99%, 325 mesh, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.22.00 - —
smaller lots.....ton.25.00 - —
hard-quartz, 99½%, 325 mesh, c.l..ton.18.50 - —
l.c.l. .....ton.18.50 - —
140 mesh, c.l.....ton.11.00 - —
l.c.l. .....ton.16.00 - —
Silica prices are for bag packing f.o.b. works.
Silicon tetrachloride, CP, dms., works, 55 gals..lb. .27 - —
10-gal. dms., same basis..lb. .32 - —
smaller pkgs..... lb. .75 - 1.35
tech., dms., 55 gals., works.lb. .22 - —
10-gal. dms., same basis..lb. .27 - —
smaller pkgs..... lb. .80 - 1.09

A 42½-ton Pan American Clipper being serviced with gas and oil in Tri-Sure-equipped drums, before flying with vital war equipment to Africa.

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On this gigantic ferry service the precious fuel, on which depends so much the safe carriage of human lives and war materials, is safeguarded by Tri-Sure's perfected seal, plug and flange.

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CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Silver, bullion.....oz. .44⅝- —
Govt. purchase, dom.....oz. .7111- —
Govt. purchase, foreign...oz. .44⅝- —
Cyanide, cns., 100 ozs.....oz. .41¼- —
Nitrate, 100-oz. lots.....oz. .52⅝- —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .38 - .53
Simarubra barks, bls.....lb. .55 - .67
Skunk cabbage root, bls.....lb. No stocks
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .75 - .80
Smalt, black, extra velvet, ctns. lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .66 - .67
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .16 - .17
cut, imp., bls., bbls.....lb. .17 - .18
dom., bbls.....lb. .10 - .11
powd., bbls.....lb. .19 - .20
Soda, acetate, anhyd., bbls., divd., lb. .08½- .10
flake, gran., powd., 60%, bbls., c.l., divd..lb. .05 - —
l.c.l., divd.....lb. .05½- .06
N. F. VII, bbls., divd.....lb. .06 - .07
Alginate, water soluble, refined, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .43 - —
Aluminate, white, soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald.100 lbs. 7.75 - —
l.c.l., bgs., frt. equald..... 100 lbs. 8.40 - —
dms., frt. equald.100 lbs. 8.65 - —
Antimoniate, bbls., divd., c.l., lb. .15 - —
l.c.l., bbls., divd.....lb. .15½- —
Arsenate,[5] dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Soda, arsenite,[6] dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works....lb. .07½- .08½
white, dms., c.l., dealers, wks..lb. .07¾- —
l.c.l., works.....lb. .08¼- .09½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.90 - —
bbls., c.l., works...100 lbs. 1.32 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.13 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l. .....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —

Soda ash, light, 58%, bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. E. of 98° Meridian; Neb. E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex., Ariz., Colo., Ida., Mont., Nev., N. M., Utah, Wyo.

Benzoate, tech., bbls.. 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - .53
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l. .....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
Soda, bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works. 100 lbs. 1.85 - —
l.c.l., divd. N.Y....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., divd. N.Y....100 lbs. 2.76 - —
Bichromate,[5] spot. cks., bbls., c.l., works..lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Soda bichromate in bgs., ¼c. less.
Bifluoride, bbl., c.l.....lb. .11 - —
10-bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kgs. .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.80 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
25 deg., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, N.F., gran., bbls., works, 500 lbs..lb. .27 - .30
fiber dms., 100 lbs.....lb. .28 - .31
Cacodylate, 5-lb. bbls., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76%, powd., ammo. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - —
2 .....100 lbs. 3.70 - 3.95
3 .....100 lbs. 3.95 - 3.30
4 .....100 lbs. 4.35 - 3.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, wks.100 lbs. 1.95 - —
70%, buyers' tanks, wks. 100 lbs. 1.97½- —
sellers' tanks.....100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l. same zone prices as ammonia process.
Caustic soda l.c.l. prices are on same basis as those for soda ash. Sales zones also the same.
Chloride (see Salt).
Chlorate,[6] dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .07½- —
l.c.l., works.....lb. .07 - .03½
Chromate,[5,6] c.l., works.....lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
50-lb. lots, dms.....lb. .20½- —
25-lb. lots, dms.....lb. .22½- .24½
dms., 100-lb. lots, dms..lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .28½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide,[6] 96-98%, dom., dms. lb. .14 - .15
Diacetate, 33-35% acidity, bbls., divd..lb. .09½- .10¼
anhy., dms., divd.....lb. .12½- —
Fluoride, white, 30%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis, lb. .09¼- —
l.c.l., 10 or over, same basis..lb. .09¾- —
1-9, same basis.....lb. .09¼- .
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.25 - 1.32
100-lb. lots.....lb. 1.40 - 1.47
cns., 25 lbs.....lb. 1.62 - 1.67
powd., bbls., 1,000-lb. lots..lb. 1.25 - 1.32
100-lb. lots.....lb. 1.40 - 1.47
cns., 25 lbs.....lb. 1.72 - —
solution, cbys., cns.....lb. .82 - .93
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms., 100 to 1,000-lb. lots..lb. .24 - .27
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equald..100 lbs. 2.50 - —
bbls., works..100 lbs. 2.70 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 dms., works. 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 3.40 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.32 - 2.37
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.00 - —
15 dms. and over.....100 lbs. 4.90 - —
2-14 dms.....100 lbs. 5.05 - —
1-2 dms., same basis.100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.80 - —
10 bbls. and over.....lb. 3.30 - —
1-9 bbls., divd. N.Y.....lb. 3.35 - —
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.85 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] dom., c.l., 100-lb. bgs., f.o.b. cars Hopeville, Va..ton.30.05 - —
bulk, f.o.b. Hopewell, Va..ton.27.00 - —

4 TITANOX PIGMENTS ARE "IN THE SERVICE"...

TITANOX pigments are available to meet Army-Navy specifications for white and light tinted finishes. Four of them are particularly adaptable and are being used in large volume in both exterior and interior coatings. For example:

TITANOX-RC *(rutile calcium pigment) for camouflage coatings* — **Because** of durability, tint retention, economy

TITANOX-A, No. 168, L.O. *(titanium dioxide) for interior finishes* (tanks or any confined area where high reflectivity is required — **Because** of high brightness and excellent color

TITANOX-AA *(titanium dioxide) for exterior finishes* (housing, army-navy aircraft where moderate chalking resistance is required) — **Because** of high hiding with good chalking resistance and good durability

TITANOX-A, NC *(titanium dioxide) for maximum service in exterior paints* — **Because** of great durability at low pigment volume

Use these fine pigments in both war and civilian paints for complete satisfaction.

TITANIUM PIGMENT CORPORATION *Sole Sales Agent*
111 Broadway, New York, N. Y. • 104 South Michigan Ave., Chicago, Illinois • 350 Townsend St., San Francisco, California • 2472 Enterprise St., Los Angeles, California

TITANOX — THE WHEEL HORSE OF THE PAINT INDUSTRY

Our Paint Service Department offers technical cooperation

THE WHEEL HORSE OF THE PAINT INDUSTRY CARRIES ON!

TITANOX
TRADE MARK

Soda nitrate, imp., c.l., 100-lb. bgs., f.ob. cars, Atl., Gulf Pac. warehouses..ton.33.00 - —
200-lb. bgs., same basis... ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
1-9 tons.....100 lbs. 3.75 - —
smaller lots.....100 lbs. 4.00 - —

Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
West Coast, f.o.b. ports. 100 lbs. 8.00 - 8.66
l.c.l. .....100 lbs. 8.90 -11.90

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1-2 dms., same basis.....lb. 5.55 - —
flake, dms., c.l., works.. 100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C..100 lbs. 4.30 - —
1-9 bbls., same basis.100 lbs. 4.55 - —

Oxalate, neut., bbls.....lb. .09½- —

Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works.....lb. .15¼- —

Pentachlorophenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .20 - —
490 lbs., bgs., works.....lb. .18 - —
powd., 100 lbs., kgs., wks. lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —

Phosphate, dibasic, anhyd., bgs., c.l., works.....100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.50 - 7.25
bbls., c.l., works.....100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l. works, 100 lbs. 2.55 - 2.70
c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works..100 lbs. 3.15 - 3.65
monobasic, anhyd., c.l., works, 100 lbs. 7.25 - 6.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l. wks..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.45 - —
bbls., c.l., works....100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.65 - —
kegs, c.l., works.....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis.100 lbs. 6.50 - —
bbls., c.l., same basis... 100 lbs. 6.20 - —
l.c.l., same basis.100 lbs. 6.70 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11½- .12

Picramate, kgs.....lb. .65 - —

Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —

Pyrophosphate,[2] anhyd., bgs., c.l., works, frt. equalized.. 100 lbs. 5.25 - 6.10
5 tons and over, same basis..100 lbs. 5.40 - 6.25
less than 5 tons, same basis..100 lbs. 5.75 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.45 - 6.30
anhyd., bbls., 5 tons and over, same basis..100 lbs. 5.60 - 6.45
less than 5 tons, same basis..100 lbs. 5.95 - 6.80

Ricinoleate, tech., bbls.....lb. .12 - —

Sal, bgs., dlvd. N. Y.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls., dlvd. N.Y.....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —

Salicylate, dms.....lb. .52 - .55

Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
l.c.l., Zone 1.....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
100 bbls. or over, dlvd.100 lbs. .80 - —
1-9 bbls.....100 lbs. 4.80 - —

Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
tanks, wks.....ton.13.00 - —

52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.90 - —
tanks, wks.....ton.25.00 - —

Silicofluoride, bbls., c.l., works. lb. .05 - —
l.c.l., same basis.....lb. .05½- —

Stannate, dms.....lb. .33½- .36½

Stearate, lump, powd., bbls., works..lb. .19 - .24

Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works.. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt), NF, VI, desiccated, powd., bbls..lb. .07 - .07½
USP, cryst., gran., bbls...lb. .10 - .10½

Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —

Sulphite, cryst., 100-lb. bgs., works..lb. 2.10 - 2.25
bbls. .....100 lbs. 2.30 - 2.55

Sulphite, powd., bbls., c.l.. 100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —

Sulphocarbolate, gran., bbls., dms..lb. .28 - .32

Sulphocyanide, C.P., dms...lb. .55 - .65

Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, wks.lb. .08 - —
tanks, works.....lb. .04½- —

Sulphoricinolate, bbls.....lb. .12 - —

Thiosulphate (see Hyposulphite).

Tungstate,[2] CP, kgs.....lb. .No prices
tech., kgs.....lb. 1.35 - 1.50

Soda-formaldehyde sulphoxylate, standard cont. (125-250 lbs.) lb. .19 - .22

Solvent, naphtha,[2] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —

Solvent, naphtha, dms., wks. tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
high-flash, dms., works....gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —

Sorbitol,[2] com'l, dms., works..lb. .17¾- —

Soybean meal, 41% and 44% protein, old and new process, f.o.b. Decatur, Ill., April del., bulk.....ton.33.00 -33.75
Southeastern mills, same basis, bulk....ton.44.50 - —
protein, alpha, bgs., 60,000 lbs. min., works..lb. .17 - —
40,000-60,000 lbs., same basis. lb. .17 - —
20,000-40,000 lbs., same basis. lb. .17¼- —
100-20,000 lbs., works....lb. .17¾- —

Sparteine sulphate, bots., cns..oz. 2.25 - 2.35

Spearmint leaves, bls.....lb. .32 - .35

Spikenard root, bls.....lb. .38 - .39

Spruce extract, reg., bbls., c.l., works..lb. .02¾- —
tanks, works.....lb. .01¾- —
powd., super, bgs., c.l., works. lb. .04½- —

Squawvine, leaves, bls.....lb. .14 - .16

Squill, red, powd.....lb. .85 - .88
White, bls.....lb. .11 - .15
powd., bbls., bxs.....lb. .16 - .19

St. Ignatius beans, bgs.....lb. .45 - .60

St. John's bread, edible, bls..lb. .25 - .30

Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.47 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.57 - —

Starch, potato, dom., bgs., c.l. lb. .0637- —
l.c.l. .....lb. .0700- —
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom
bbls. .....lb. .07 Nom
Wheat, thick boil, bgs.....lb. .05 - —

Starch, iodide, bots.....lb. 1.87 - —

Staveacre, seed, bgs.....lb. No prices

Stearin, oleo.....lb. .1054- —

Stillingia, root, bls.....lb. .11 - .13

Stoneroot, bls.....lb. .07¼- .08

Storax, cs.....lb. 1.70 - 1.85

Stramonium leaves, bgs.....lb. .21 - .22
seed, bgs.....lb. .20 - .21

Strontium bromide, cns.....lb. .53 - .58

Carbonate, NF, 1V, 250-lb. bbls..lb. No prices
tech., 90% precip., bbls....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .26
Iodide, bots., 8 lbs.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35

Nitrate, dom., bbls., c.l., works. lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls.....lb. .08¾- —

Oxalate, bbls.....lb. .44 - —

Salicylate, bbls., kgs.....lb. 1.10 - —
dms. .....lb. 1.15 - —

Sulphate, nat., 92% min. $SrSO_4$, air-floated, 300 mesh, c.l., works..ton.52.00 - —
5 to 15 ton lots, same basis..ton.54.00 - —

Strophantin, bots.....oz.30.00 - —

Strophanthus seed, Kombe, bgs.lb. 2.65 - 2.70

Styrogyl, acetate, bots.....lb. 2.50 - 3.10

Strychnine, cryst., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .88 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .91 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .8[illegible]

Strychnine, glycerophosphate, 25-oz. cans, 100-oz. lots..oz. .89 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .88 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. 1.00 - —
Nitrate, 25-oz. cns., 100-oz. lots. oz. .92 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .89 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .88 - —
powd., cns., 100-oz. lots..oz. .48 - —

Sucrose octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —

Sugar coloring, bbls.....gal. .70 - 1.40

Sugar of milk (See Milk sugar)

Sulfadiazin, 100 lb. dms.....lb.13.00 - —
Tablets, bots 50's.....ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —

Sulfaguanidine, 100 lb. dms...lb. 5.50 - —
3.5-gm. bots.....doz. 2.50 - —
4-oz. bots.....ea. 3.10 - —
1-lb. bots.....ea.30.00 - —

Sulfanilamide, 5 lbs., bots....lb. 1.45 - —
5lb. dms., 1,000 lbs., 1 delivery lb. 1.00 - —
100 lbs.....lb. 1.05 - —
25-lb. lots.....lb. 1.20 - —

Sulfapyridine, powd., 1,000-lb. lots, bots., tins..lb. 5.00 - —
500-lb. lots, bots., tins.....lb. 5.10 - —
100-lb. lots, bots., tins.....lb. 5.15 - —
25-lb. lots, bots., tins.....lb. 5.30 - —

Sulfathiazole, 1,000-lb. lots, dms. lb. 4.00 - —
500-lb. lots, dms.....lb. 4.10 - —
100-lb. lots, dms.....lb. 4.15 - —
25-lb. tins.....lb. 4.20 - —
1-5 lb. bots.....lb. 4.45 - 4.50

Sesquihydrate, prices same as sulfathiazole.

FROM ORIGINAL Roche RESEARCH....
B1 THIAMIN
1936 Isolation by Roche from natural sources on an industrial scale.
1937 After R. R. Williams' announcement, a new Roche synthesis with Todd and Bergel; production in kilos.
1939 Monthly production by Roche in hundreds of kilos.
1942 Monthly production by Roche in tons.
B2 RIBOFLAVIN
1933 Isolation from whey by Kuhn and co-workers.
1935 First synthesis, by Paul Karrer, in collaboration with Roche.
1941 Development of the industrial synthesis by Roche.
1942 Monthly production by Roche in hundreds of kilos.
NIACIN
1867 Nicotinic acid prepared by Huber from nicotine.
1880 Synthesized and constitution proved by Skraup.
1894 Nicotinic acid amide synthesized by Engler.
1941 Quantity production by Roche to relieve shortage.
C L-ASCORBIC ACID
1934 First synthesis by Tadeus Reichstein, collaboration with Roche.
1934 Pilot plant production by Roche.
1936 Monthly production by Roche over one hundred kilos.
1942 Roche monthly production in tons.
E ALPHA-TOCOPHEROL
1938 First synthesis by Paul Karrer, collaboration with Roche.
1938 Synthesis of alpha-tocopherol acetate by Roche.
1939 Roche production of acetate on industrial scale.
1941 Synthetic alpha-tocopherol acetate adopted as International Standard.
1942 Roche acetate production in hundreds of kilos.
to
VITAMINS by the TONS
We are indeed proud of the outstanding contributions Roche has made in the vitamin field. From early identification, through synthesis and into mass production, you will see from this record that it has been the role of Roche chemists and collaborators to play a major part in making possible today . . . "Vitamins by the Tons".
Because these vitamins are not only produced in tremendous quantities, but are of the very finest quality, today more and more manufacturers are turning to Roche to insure their source of supply. We invite you to write or phone for the latest prices and supplies now available.
Hoffmann-La Roche, Inc.
Vitamin Division • ROCHE PARK • NUTLEY • N. J.

Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
flour, comm'l, bgs., c.l..100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
flowers, USP, bgs., c.l..100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.15 - —
refined, cast, bgs., c.l...100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l..100 lbs. 2.85 - —
l.c.l. .....100 lbs. 3.35 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, USP, bgs., c.l..100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —
rolls, bgs., c.l.....100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —
Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.
rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld.100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .03½
l.c.l., dms., works....lb. .04 - .04½
10-gal. dms., c.l.....lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works..lb. .07 - .08
multi-unit, cars, works..lb. .04½- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .12 - .21
multi-unit cars, works..lb. .06½- —
Iodide, bots., jars.....lb. 3.90 - 4.00
Precipitated, USP, bbls.....lb. .18 - .27
Sumac, extract, bbls., No. 1..lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .12 - .13
Sunflower seed, Calif., large, bgs., lb. .10 - .10½
medium, bgs.....lb. .09½- .10
poultry .....lb. .09 - .09½
Superphosphate, run-of-pile, basic 16% a.p.a., bulk, f.o.b. cars, boats, Balto..unit-ton. .60 - .64
net ton. 9.60 -10.24
guaranteed 16% a.p.a., bulk, plus flattening charge of 50c., unit-ton. .63½- .67½
net ton.10.10 -10.74
20% a.p.a., bulk, same basis, spot..unit-ton. .75 - —
net ton.15.00 - —
triple, bulk, f.o.b. cars, Balto., spot..unit-ton. .85 - —

T

Talc., dom., aluminum flake-type, grd., c.l...ton.14.50 -24.50
l.c.l. .....ton.16.50 -30.00
Calif, c.l.....ton.17.50 -43.00
N. Y. fibrous, 325 mesh, 93-94%, c.l. ton.13.00 -18.00
99-99½%, c.l.....ton.15.25 -19.25
99-95%, c.l.....ton.17.00 -21.00
coarse, off-color, c.l.....ton.13.00 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian, c.l., divd. N. Y. ton.24.00 -30.00
Talc, domestic, is quoted at the mills in bag packaging
Tallow,[1,5] edible, tanks.....lb. .09¾- —
ined., extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 85% (24% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
50% (43% fat), dms., c.l....lb. .06¾- —
l.c.l. .....lb. .07¼- —
50% (48% fat), dms., c.l...lb. .07¾- —
l.c.l. .....lb. .08¾- —
Tamarind, No. 1, bbls.....lb. .10 - .12
kegs .....lb. 7.45 - —
Tankage, dom., fertilizer, animal, bulk, basis N. Y..unit-ton. 4.50 & .10
grd., 9% ammon., 10% b.p.l., 10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 4.00 & .10
feeding, unground, 9-11% ammon., bulk, basis N. Y., unit-ton. 5.10 - —
basis Chicago..unit-ton. 5.53 - —
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, Brazil, bgs.....lb. .03¾- .06¼
Java, bgs.....lb. .04¾- .07¼
Tar acid oil,[6] 16%, dms., c.l., works..gal. .27½- —
l.c.l., same basis.....gal. .29½- —
25%, dms., c.l., works....gal. .31½- —
l.c.l., same basis.....gal. .33½- —
Tar, pine, dms., E. cities....gal. .30 - .33
tanks, divd., E. cities...gal. .24½- —
Tarragon herb, bgs.....lb. 1.70 - 1.75
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpin hydrate, cryst., bbls., dms. lb. .70 - .72
powd., bbls., dms.....lb. .75 - .77
Terpineol, dms.....lb. .35 - .50
alpha, denat. grade, dms., c.l., works, net wght..lb. .17 - —
Terpinyl acetate, cns.....lb. .87 - —
dms. .....lb. .85 - —
Terra alba (see Gypsum).
Tetrachlorethan, dms., works..lb. .08 - .08½
Tetrachlorethylene, CP, dms...lb. .21½- —
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb.12.50 - —
Theobromine,[4] .....lb. 2.65 - —
Sodiosalicylate,[4] dms.....lb. No price
Thiamine hydrochloride, bots., cns., 100 grams or more..gram. .37 - —
smaller lots.....gram. .40 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme,[1] French, bls.....lb. .80 - 1.62
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .25 - .25½
Thymol, cns., 25 lbs.....lb. 2.75 - 3.00
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Tikitiki (see Rice bran).
Timbo root,[2,5] (see Cube root).
Tin chloride, anhydrous.....lb. .43 - .45½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[1,5] Straits.....lb. .52 - —
Oxide, bbls. .....lb. No prices
Tetrachloride, anhyd., bbls..lb. No prices
Titanium,[1] dioxide, bgs., c.l. (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15½- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons). lb. .16½- —
l.c.l., 5 tons, single delivery. lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17½- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery..lb. .17 - —
1,000-9,999 lbs.....lb. .17½- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery..lb. .15¾- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15½- —
l.c.l., 5 tons,single delivery. lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06½- —
calcium base, bgs., c.l. (20 tons). lb. .05½- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above. When shipped in barrels, prices are ¼c. per pound higher.

Tetrachloride, CP, dms., works, 55 gals..lb. .07 - —
10-gal. dms., same basis..lb. .08 - —
5-gal. dms., same basis..lb. .10 - —
smaller pkgs.....lb. .90 - 1.25
technical, dms., works, 55 gals. lb. .32 - —
10-gal. dms., same basis.lb. .40 - —
5-gal. dms., same basis..lb. .45 - —
smaller pkgs.....lb. .65 - 1.00
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Tolu, balsam, cns.....lb. .80 - .85
Toluidin, mixed, dms.....lb. .26 - —
Toluol,[2,3,5] (toluene), 2° indus., dms., returnable..gal. .35 - —
tankcars, frt. alld. up to 2c. per gal..gal. .28 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
1° nitration,[5] dms., returnable, gal. .34½- —
tanks, E. of Omaha, frt. alld., gal. .29½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .29½- —
Tonga, NF, 50% bark and vine, bls..lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.80
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1] USP XII, 100 to 2,000-oz. lots..oz. .35 - —
25-oz. lots.....oz. .38 - —
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .33 - —
Triamylamine, dms., c.l., works, lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .29 - —
single dms.....lb. .31 - —
smaller lots.....lb. .40 - —
Phosphate, dms., l.c.l., divd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene,[3] Zone 1, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa. R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La.., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Ida., Ore., Nev., Wash., Utah and Cal.

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Tricresylphosphate,[3,6] CP., cns., works	lb.	.43½ - .54½
dms., c.l., divd	lb.	.37½ - —
smaller lots, divd	lb.	.40½ - —
tech., cns., works	lb.	.28½ - .45½
dms., c.l., divd	lb.	.25 - .31
smaller lots, divd	lb.	.25½ - .31½
tanks, divd	lb.	.24 - .30
Triethanolamine,[6] dms., c.l., works	lb.	.19 - —
l.c.l., works	lb.	.20 - —
tanks, works	lb.	.18 - —
Triethylamine, dms., l.c.l., works.	lb.	1.16 - —
Triethyleneglycol,[6] dms., l.c.l.	lb.	.26 - —
Triethyl citrate, ton lots, 500-lb.	dms.	lb. .24 - —
single dm		lb. .26 - —
Triethyl phosphate, cns.		lb. .46 - —
Trimethylamine, dms., c.l., divd.		lb. .85 - —
l.c.l., divd		lb. .90 - —
Triphenyl phosphate,[3] bbls.		lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works		ton.21.50 - —
double grd., bgs., c.l., works.		ton.17.50 - —
once-grd., bgs., c.l., wks.		ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).		
Tuba root,[2,6] (see Derris root).		
Tungsten metal, powd.,[2,3] 99-99.7%, dms., works	lb.	2.60 - 3.40
Oxide, CP, kgs.	lb.	No prices
Chem. grade, kgs.	lb.	No prices
Turmeric root, Alleppey, bgs.	lb.	.09¾ - .11
Madras, bgs.	lb.	.10½ - .11
Turpentine, gum, dms., c.l., ex dock	gal.	.77 - —
l.c.l.	gal.	.79 - .81
wood, dest. dist., dms., dlvd., E. cities	gal.	.53 - .58
tanks	gal.	.50 - —
steam-dist., dms.	gal.	.62 - .65
tanks	gal.	.57 - —

U

Unicorn root, false (see Helonias root).		
True (see Aletris root).		
Uranium oxide, black, bgs.	lb.	2.55 - —
yellow, kgs.	lb.	1.65 - —
Urea, dom., 46%, N., bgs., 20 tons, f.o.b. Belle, W.Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N.C., Charleston, Savannah, Jacksonville	ton.	80.00 - —
l.c.l., f.o.b. Belle, W. Va.	ton.	82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore	ton.	85.00 - —
less than 5 tons, f.o.b. New York, Phila.	ton.	90.00 - —
import, pure, cs.	lb.	.12 - —
fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl. Gulf ports.	ton.	57.40 - —
Urea-ammonia liquor, 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atlantic Gulf ports.	ton.	121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl. Gulf ports.	ton.	127.00 - —
Uva ursi leaves, bls.	lb.	.25 - .27

V

Valerian root, Belgian, bls.	lb.	1.15 - 1.20
Eastern, bls.	lb.	.60 - .82
Valonia, beards, bgs., f.a.s.	ton.	No prices
cups, bgs., f.a.s.	ton.	No prices
Vanadium pentoxide, CP, bgs., cns., works	lb.	7.00 - —
tech., dms., works	lb.	1.10 - —
Vanilla beans,[1] Bourbon, tins.	lb.	8.75 - 9.00
Java, tins.	lb.	9.50 Nom.
Mexican, whole, tins	lb.	11.00 - —
cuts, tins	lb.	10.00 - —
Tahiti, white label, tins.	lb.	4.00 - 4.25
yellow label, tins	lb.	3.75 - 4.00
West Indian, tins.	lb.	8.75 - 9.00
Vanillin, ex eugenol, 25-lb. tins.	lb.	2.60 - —
5-lb. tins	lb.	2.65 - —
1-lb. tins	lb.	2.75 - —
ex-guaiacol, 25-lb. tins	lb.	2.35 - —
5-lb. tins	lb.	2.40 - —
1-lb. tins	lb.	2.50 - —
ex lignin, any quantity, 25-lb. tins	lb.	2.35 - —
5-lb. tins	lb.	2.40 - —
1-lb. tins	lb.	2.65 - —
Venice turpentine, true, cs.	lb.	No prices
artificial, - cs	lb.	.24 - .25
Verdigris, bbls., kgs.	lb.	.22 - .23
Vinyl acetate,[6] 5-gal. cbys., wks.,	lb.	.25 - —
dms., c.l., works	lb.	.15 - —
l.c.l., works	lb.	.16 - —
5 gals., dms., works	lb.	.25 - —
Ether, 75 c.c.	bot.	1.30 - —
50 c.c.	bot.	.73¼ - —
25 c.c.	bot.	.45½ - —
Viosterol, irradiated ergosterol, mil units.		.16 - .20
Vitamin A (see Oils, codliver, halibut liver), B_1 (see Thiamine hydrochloride).		
B_2 (see Riboflavin).		
B complex, natural (see Rice bran and Yeast).		
C (see Acid, ascorbic).		
D (see Oils, codliver, halibut liver, viosterol)		
E (see Alpha Tocopherol).		
G (see Riboflavin).		
P-P (see Acid, nicotinic; acid, nicotinic amide).		
Violet, methyl, toner (see M).		
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).		

W

Wahoo bark, bls.	lb.	.48 - .49
tree	lb.	.28 - .29
Wattle bark, bgs., f.a.s.	ton.	42.00 -44.00
Extract, solid, bgs.	lb.	.04475- .0460
liquid, tanks	lb.	.05¼ - —
bbls.	lb.	.05¾ - —
Wax, amorphous, Group 3, 160-165 m.p., works, Okla., yearly contracts, amber, 60,000 lbs.	lb.	.14¼ - —
black, 60,000 lbs., same basis	lb.	.12¾ - —
white, 60,000 lbs., same basis	lb.	.24¾ - —
160-165 m.p., amber, 60,000 lbs., same basis	lb.	.16¼ - —
black, 60,000 lbs., same basis	lb.	.14¾ - —
white, 60,000 lbs., same basis	lb.	.26¾ - —
Quotations on 30,000-lb. lots, ¼c. higher than those on 60,000 lbs.; on 20,000-lb. lots, ¼c. higher than those on 30,000 lbs.; on 10,000-lb. lots, ¼c. above those on 5,000 lbs.; on 5,000-lb. lots, ¼c. over those on 10,000 lbs.		
Bayberry, bgs.	lb.	.35 - .36
*Wax, bees,[1] yellow, crude, ton lots or more, bgs., f.o.b. N. Y.:—		
Central & S. A., sun-bleachable, same basis	lb.	44¾ - —
unbleachable, same basis	lb.	.41½ - —
African, sun-bleachable, or nonsun-bleachable, same basis	lb.	.37½ - —
refined, USP, slabs, same basis	lb.	.52½ - —
bricks, same basis	lb.	.53½ - —
discs, same basis	lb.	.55½ - —
5-lb. ctns., same basis	lb.	.56½ - —
3-lb. ctns., same basis	lb.	.57½ - —
1-lb. ctns., same basis	lb.	.58½ - —
rounds, or squares, same basis	lb.	.57½ - —
5-lb. ctns., same basis	lb.	.58½ - —
3-lb. ctns., same basis	lb.	.59½ - —
1-lb. ctns., same basis	lb.	.60½ - —
bleached, sun or chemical, USP, same basis	lb.	.57 - —
bricks, same basis	lb.	.58 - —
discs or cakes, same basis	lb.	.60 - —
5-lb. ctns., same basis	lb.	.61 - —
3-lb. ctns., same basis	lb.	.62 - —
1-lb. ctns., same basis	lb.	.63 - —
*Candelilla,[1] crude, one ton or more, bgs., f.o.b. N.Y.	lb.	.33 - —
refined, bgs., same basis	lb.	.44 - —

Note—For prices on powdered candelilla wax add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

*Carnauba,[1] ton or more, bgs., f.o.b. N.Y. yellow, No. 1, same basis	lb.	.83¼ - —
No. 2, same basis	lb.	.81¼ - —
No. 3, same basis	lb.	.79 - —
North Country, No. 2, same basis	lb.	.75¾ - —
No. 3, same basis	lb.	.73¼ - —
chalky, No. 3, same basis	lb.	.71¼ - —
refined, No. 3 North Country, same basis	lb.	.76¾ - .80

Note—For prices on powdered carnauba wax add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c. per lb.

Ceresin, dom., 135°-140° m.p., bgs., 1 ton	lb.	.13½ - .14
jobbing lots	lb.	.14½ - .15
150°-160° m.p., bgs., 1 ton	lb.	.15½ - .16
jobbing lots	lb.	.16½ - .17
160°-170° m.p., bgs., 1 ton	lb.	.16½ - .17
jobbing lots	lb.	.17½ - .18
Japan, cs.	lb.	No stocks
Montan, bgs.	lb.	.45 - .46
*Ouricury,[1] 1-ton lots or more, bgs., f.o.b. N.Y.	lb.	.49½ - .51¾
refined, bgs., same basis	lb.	.62 - —

Note—For prices on powdered ouricury wax add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

Paraffin (see P).		
Spermaceti, blocks, cs.	lb.	.26 - .27
cakes, cs.	lb.	.27 - .28

* Note—On single sales of carnauba, candelilla and ouricury waxes in less than ton lots, the following additions to maximum prices above may be made:—200 lbs. to 1 ton, 1c. per lb.; more than 100 lbs. and not less than 200 lbs., 3c. per lb.; 50 to 100 lbs., 5c.; and 1 to 49 lbs., 10c.

White lead (see Lead, white).		
White pine bark, rossed, bls.	lb.	.08 - .09
White precipitate,[3] powd., dms., 50 lbs. or more	lb.	2.84 - —
Whiting, chalk, dry-grd., c.l.	ton.	18.00 -22.00
l.c.l.	ton.	20.00 -24.00
wet-grd., c.l.	ton.	21.00 -25.00
gilders, bottom, c.l.	ton.	20.00 -24.00
l.c.l.	ton.	21.00 -24.00
extra bolted, c.l.	ton.	22.00 -26.00
l.c.l.	ton.	23.00 -27.00
Paris white, c.l.	ton.	24.00 -28.00
l.c.l.	ton.	25.00 -29.00
Limestone, airfloated, 99¾%, 250 mesh, c.l.	ton.	9.35 -10.10
200 mesh, c.l.	ton.	8.60 - 9.35
90%, 200 mesh, c.l.	ton.	6.25 - 7.00
water-floated, gilders' putty grade, c.l.	ton.	12.00 -13.00
l.c.l.	ton.	13.00 -16.00
dry ground, 325 mesh, 40 tons, f.o.b. New England plant,	ton.	6.00 - —
l.c.l., up to 5 tons, same basis	ton.	7.00 - —
less than 5 tons, same basis	ton.	9.00 - —
Wild cherry bark, thick, natural, bls.	lb.	.05¼ - .06
rossed, bls.	lb.	.15 - .18
thin, natural, bls.	lb.	.09½ - .10
rossed, green, bls.	lb.	.13 - .15
Wild indigo root, bls.	lb.	.23 - .25
Witch-hazel extract, dist., NF, bbls., gal.	gal.	.73 - .75
leaves, bls.	lb.	.07 - .09
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 40 mesh, c.l., North Tonawanda, N.Y.	ton.	20.00 - —
60 mesh, same basis	ton.	24.00 -
80 mesh, same basis	ton.	27.00 -
100 mesh, same basis	ton.	30.00 -32.00
Woodflour, bags, extra, 25c. each; must be returned for credit. Carload freight to New York, N. Y., 29c. per 100 lbs.		
Wormseed, American, bgs.	lb.	.09 - .10
ext., bgs.		No prices
Wormwood, bls.	lb.	.50 - .60

X

Xylene (see Xylol).		
Xylol,[3,6] (xylene), indus., dms., returnable, works	gal.	.32 - —
tanks, E. of Omaha, frt. alld. up to 2c. per gal.	gal.	.27 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.37 - —
16°, dms., returnable, works	gal.	.35 - —
tanks, E. of Omaha, frt. alld.,	gal.	.30 - —
5°, dms., returnable, wks.	gal.	.42 - —
tanks, E. of Omaha, frt. alld.,	gal.	.37 - —
8°, dms., returnable, works	gal.	.47 - —
tanks, E. of Omaha, frt. alld.,	gal.	.42 - —
Xylidin, mixed, dms.	lb.	.35 - .36

Y

Yara yara, cryst., cns.	lb.	1.80 - 1.85
Yeast, dry brewers, dms., 50 B units	lb.	.35 - —
80 B units	lb.	.40 - —
120 B units	lb.	.45 - —
200 B units	lb.	.55 - —
900 B units	lb.	.72 - —
Yellow, arsenic,[3] sulphide, dom., bbls., f.o.b. Ne York	lb.	.52 - .55
bottles, same basis	lb.	.60 - .64
imp., bbls., same basis	lb.	.20 Nom.
Yellow, benzidine, bbls., dlvd.	lb.	1.35 - 2.25
Cadmium, CP, import, bxs.	lb.	1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls.	lb.	.55 - —
400-2,000 lbs., bbls.	lb.	.60 - —
100-300 lbs., pkgs.	lb.	.65 - —

Yellow cadmium lithopone prices are f.o.b. Balto. or whse. points, transportation prepaid or allowed E. of Rockies.

sulphide, orange kegs or cases, works	lb.	1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.16 - —

Chrome yellow, CP, prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C. Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09 - .11
Hansa, bbls., same basis, chrome	lb.	1.37 - —
primrose shade, bbls., same basis chrome	lb.	1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs.	lb.	2.87 - —
smaller lots	lb.	2.89 - —
Ocher, American, golden, bbls., works	lb.	.04½ - .06¼
yellow, bbls, works	lb.	.02 - .02¼
French type, bbls., c.l.	lb.	.0245- —
l.c.l.	lb.	.0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pr.	lb.	.04½ - —
l.c.l., same basis	lb.	.06 - —
synth., bbls., c.l., works	lb.	.07 - —
l.c.l., same basis	lb.	.071 - —
Persian orange (see O).		
Zinc, bbls., same basis, chrome CP, contracts	lb.	.15 - —
open order	lb.	.15 - —
Navy specifications type, contracts	lb.	.15 - —
open order	lb.	.15 - —
Yellow dock root, dom., bls.	lb.	.16 - .22
Yellow root (xanthorisa), bls.	lb.	.11 - .13
Yerba santa leaves, bls.	lb.	.13 - .14
Yohimbine hydrochloride, vis., os		3.00 - 3.75

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.25 - —
less than 1,000 lbs., works	lb.	.30 - —
Zinc,[1,3,6] Metal (see Paint market).		
acetate, tech., bbls., dlvd.	lb.	.16 - .17
USP, bbls., 250 lbs.	lb.	.26 - .27
kgs., 100 lbs.	lb.	.29 - —
Arsenite, c.l., E. of Rockies.	lb.	.12 - —
l.c.l.	lb.	.12½ - —

Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.

Carbonate, tech., bbls.	lb.	.14 - .20
USP, precip., powd., bbls.	lb.	.35 - —
25-lb. dms.	lb.	.40 - —
kgs.	lb.	.37 - —
Chloride, tech., fused, dom., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.55 - —
gran., dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.50 - —
USP, 100-lb. dms.	lb.	.30 - .31
25-lb. jars	lb.	.36 - —
solu., 50%, dms., c.l., works.	lb.	.0315- —
l.c.l., works	lb.	.04½ - .04¾
tanks, works	lb.	.0250- —

Chromate (see Yellow Zinc Chromate).

Cyanide, kgs., works	lb.	.32 - .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035- —
l.c.l., f.o.b. works	lb.	.1135- —
Fluoride, bbls.	lb.	.25 - .30
Iodide, NF, bots.	lb.	4.54 - —
jars	lb.	4.40 - —
Metal (see daily quotations in Market report).		
Oxide,[6] pigment, dom., acicular type, bgs., c.l., dlvd.	lb.	.07½ - —
bbls., c.l., dlvd.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07¾ - —
lead free, bgs.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07½ - —
bbls., c.l., dlvd.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07¾ - —
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07¾ - —
bbls., c.l., dlvd.	lb.	.07¾ - —
l.c.l., dlvd.	lb.	.07¾ - —
35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼ - —
bbls., c.l., dlvd.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07½ - —

Prices on West Coast ¼c. per lb. higher.

French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.07¼ - —
l.c.l., dlvd.	lb.	.07½ - —
bbls., c.l., dlvd.	lb.	.07½ - —
l.c.l., dlvd.	lb.	.07¾ - —
green seal, bgs., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼ - —
bbls., c.l., dlvd.	lb.	.09¼ - —
l.c.l., dlvd.	lb.	.09¾ - —
red seal, bgs., c.l., dlvd.	lb.	.08½ - —
l.c.l., dlvd.	lb.	.08¾ - —
bbls., c.l., dlvd.	lb.	.08¾ - —
l.c.l., dlvd.	lb.	.10 - —
white seal, bgs., c.l., dlvd.	lb.	.09½ - —
l.c.l., dlvd.	lb.	.09¾ - —
bbls., c.l., dlvd.	lb.	.09¾ - —
l.c.l., dlvd.	lb.	.10 - —
USP, c.l., 50-lb. bgs.	lb.	.10¼ - —

Zinc oxide prices in l.c.l. are ¼c. higher.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ¼c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac. Cst.; 50% leaded is 5.6c per lb. higher for car lots delivered Pac. Cst

Palmitate, bbls.	lb.	.32 - .33
Resinate, fused, pale, bbls.	lb.	.11 - .12
precip., dms., dlvd.	lb.	.15 - —
Silicofluoride, bbls.	lb.	.15 - .18
Stearate, tech., precip., or USP, ton lots	lb.	.30 - —
less than ton lots	lb.	.31 - .33
Sulphate, cryst., bgs., c.l.	100 lbs.	3.60 - —
l.c.l.	100 lbs.	4.35 - —
bbls., c.l.	100 lbs.	3.85 - —
l.c.l.	100 lbs.	4.60 - —
flake, bgs., c.l.	100 lbs.	4.10 - —
l.c.l.	100 lbs.	4.85 - —
bbls., c.l.	100 lbs.	4.35 - —
l.c.l.	100 lbs.	4.80 - —
powd., bgs., c.l.	100 lbs.	5.30 - —
l.c.l.	100 lbs.	6.05 - —
bbls., c.l.	100 lbs.	6.05 - —
l.c.l.	100 lbs.	6.80 - —
Zinc, sulphide,[1,6] pure, bgs., c.l. (20 tons), dlvd.	lb.	.08¼ - —
l.c.l., dlvd.	lb.	.08¾ - —
bbls., c.l. (20 tons), dlvd.	lb.	.09¼ - —
l.c.l.	lb.	.09¾ - —
barium, pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0660- —
l.c.l., dlvd.	lb.	.0585- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¾ - —
l.c.l., dlvd.	lb.	.06 - —

Yellow (see Yellow, Zinc)
Chrome (see Yellow, zinc)

Sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.

Sulphocarbolate, NF, bbls., dms.	lb.	.26 - .31
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., E. of Rockies.	lb.	.06¼ - —
dlvd., Pac. cst.	lb.	.06½ - —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works	ton.	75.00 -100.00
white, 98%, grd., kgs., works.	lb.	1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials will appear next in the April 5 issue of OPD.

—O-P-D—

Naval Stores Consumption Reported

The naval stores report on production, distribution, consumption and stocks of turpentine and rosin in the United States for the quarter ending December 31 as reported by the Department of Agriculture, follows:—

Supply and Distribution

	Turpentine 1938-39 Apr.-Sept. Barrels of 50 gals.	Rosin 1938-39 Apr.-Sept. Barrels of 500 pounds gross
Carryover Oct. 1	244,028	1,586,773
Production	136,558	531,566
Imports	.....	.....
Available supply	380,586	2,118,339
Less carryover Dec. 31	293,100	1,843,827
Apparent total consumption	87,486	274,512
Less exports	.....	.....

Production

	Turpentine	Rosin
Gum	84,347	300,574
Wood	52,211	230,992
Imports	.....	.....

Carryover Stocks

	Turpentine	Rosin
Carryover Oct. 1	244,028	1,586,773
Carryover Dec. 31	293,100	1,843,827
Stock increase	49,072	257,054

Location of Carryover Stocks Dec. 31

	Turpentine	Rosin
Gum stills	29,251	186,743
Southern concent. points	159,037	1,046,588
Wood plants	41,699	206,549
Distributing points	48,788	22,506
Industrial plants	14,325	381,442
Total in U. S.	293,100	1,843,827

Consumption by Industries

	Turpentine Barrels of 50 gals.	Rosin Barrels of 500 pounds
Abattoirs	.....	121
Adhesives and plastics	151	5,460
Asphaltic products	.....	753
Automobiles and wagons	150	22
Chemicals and pharmaceuticals	15,782	48,497
Ester gum and synthetic resins	.....	33,183
Foundries and foundry supplies	215	7,375
Furniture	100	3
Insecticides and disinfectants	57	1,280
Linoleum and floor covering	.....	7,409
Matches	.....	360
Oils and greases	8	9,016
Paint, varnish and lacquer	16,849	36,923
Paper and paper size	.....	89,396
Printing ink	65	5,706
Railroads and shipyards	2,220	2,741
Rubber	13	648
Shoe polish and shoe materials	2,858	1,810
Soap	.....	72,693
Other industries	38	2,334
Total Industrial reported	28,506	327,698

—O-P-D—

Miscellaneous Naval Stores Output Reported for Quarter

Production of miscellaneous naval stores for the quarter ending December 31, 1942, and stocks on hand at the close of the year as reported by the Department of Agriculture follows:—

	Barrels—50 Gallons			
	Production 1942-1943		Stocks 1942-1943	
	Oct.-Dec.	April-Sept.	Oct.-Dec.	April-Sept.
Dipentene	5,833	12,572	20,816	30,015
Monocyclic Hydrocarbons	4,977	6,125	13,935	9,790
Pine oil	28,012	63,911	16,392	15,634
Pine tar	22,130	62,398	1,566	3,199
Tall oil, black liquor soap produced to be further processed, tons	17,687	36,068	....	....

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Oil, Paint & Drug Reporter

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Directed, 1900-1942, by Harry J. Schnell

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Surplus War Material

Business is beginning to bother itself about the manner in which the various governmental military and economic agencies will dispose of the surpluses of hundreds of commodities which they undoubtedly will have on hand when the war has been terminated. One of the major attacks which boil out of this botheration has been that of the coffee and sugar traders on the expressed purpose of the Board of Economic Warfare to dispose of its surpluses in any way desired throughout the world.

The usual idea of those who fear a worse-than-then repetition of more-than-then swampings of markets is that all governmental surpluses of war materials should be disposed of by means of orderly marketing through normal channels of trade. This, of course, does not find favor with the opportunists, who recall with avaricious eye-gleams the profitable "war" marketing of the early 'twenties. It does not exactly suit producers, who foresee a repetition of the idleness of those days because no new production was needed.

Anybody in the chemical and related fields, who can recall the nitrate of soda avalanches, the ether scandals, and other disruptive and deeply damaging aftermaths of World War I, are fervent in their hope that a slow, gradual, and equitable distribution of war surpluses over the markets of the world may be achieved. They know that this will require the full cooperation of business as a whole and government as a whole. They recall that one or another governmental agency, twenty years ago, frequently was advertising bids for supplies of a commodity for surpluses of which another agency was simultaneously seeking buyers. And very often the same lot of goods passed from one agency to the other—via a shrewd, well-repaid middleman.

It will be necessary that business, through some adequately representative body—the American Trade Association Executives, for example—be prepared to act with government for a satisfactory solution of the war surpluses problem. It is desirable that the policy and program of business be determined as early as possible. Their discussion would well be a major feature of all trade organization meetings this year, be they conference or correspondence.

—O-P-D—

Planning Medical Care

Although there was much that is useful and more than a little that is good in the National Conference on Planning for War and Postwar Medical Services in this city last week, evidence of intelligent planning along well-indicated lines was conspicuously absent. The more progressive elements of the medical services had no part in the conference. The justly famous health foundations were not there. Contributions on several timely aspects of the medical care problem are reported to have been rejected, even though they were offered by representatives of participating organizations.

Quite properly and pertinently there were able presentations of the grave threats of malaria and of epidemic diseases generally to be expected to be spread as a result of military campaigns in tropical and other unsanitary regions. But, little was done on the problem of preventing their spread or remedying their occurrences. As for a general program of improvement and extension of medical care for the public, about all that was perceptible was a measure of self-satisfaction on the part of organized medicine, which to the unbiased observer without myopia or stigmatism was far from convincing or encouraging.

The better local newspapers quite justly looked upon the conference as something more or less short of what such a gathering should be. But, it is impossible to agree with one in its query:—"But what are the drug manufacturers and surgical supply houses doing in this company?" It would seem that even a newspaper editor should know that, without the proper drugs and devices, the best physician under most circumstances is as useless as an automobile without gasoline. Pharmacy and the drug industry have a real and an important place in the planning of medical care; although it must be said that they have not outdistanced medicine in studying or performing their role.

—O-P-D—

No Corn for Alcohol

Notified by WPB of imminent closing of a hundred alcohol distilleries because supplies of corn were "frozen" by holders dissatisfied with the recently imposed OPA price ceiling, the farm-blocrat who is chairman of the United States Senate committee "investigating" the "synthetic rubber" situation, blamed the stymie on OPA, which he declared had by-passed the parity law. It is easy for the blocrats to find plausible (in the primary sense of the term, that is, only apparently true) excuses for their followers, who have a reputation for refusing to play, except under their own rules and with their own cards, with the rest of industry.

In comment on the endeavors of the farm-blocrats to force farm-derived butadiene on the rubber substitute industry, it was said in these columns eight months ago:—

> There are good arguments for the alcohol route to this basis of "synthetic rubber." But, they all fall flat on analysis by any rational mind, in view of the fact that prices of the agricultural raw materials are exempt from OPA control. With the prices of rubber articles ceiled—as they should be—none but a farm-brained congressman could expect industry, or WPB, the army, the navy, or OPA to accept the responsibility of supplying the rubber needs of the nation by means of a process ever in unstable equilibrium by reason of capricious costs.

Perhaps it is not accurate to say that these arguments fall flat today in the face of the corn-holders' refusal to sell to alcohol distillers except at their own prices; the truth is they are knocked flat.

Such things put the rank and file of agriculturists in a very bad light before the public. This latest evidence of the incompatability of the farm-bloc philosophy and the common processes of industry comes particularly ill on the eve of another chemurgic conference. The commendable endeavors of chemurgy take another bad beating because, as was said herein eight months ago, "A satisfactory teaming of agriculture and manufacturing is almost impossible—because agriculture will not stay hitched."

—O-P-D—

State Doctoring of Business

Congress is striving to legislate prophylactically and remedially with respect to absenteeism and related industrial problems—popularly miscalled labor troubles. Simultaneously, the Office of War Information comes out with a profound statement of this deep truth:—

> England's struggle to maintain full production by reducing time lost through job absences has disclosed that workers and managements themselves can help most in eliminating voluntary absenteeism.

The contribution of the British government to the reduction of industrial absenteeism was, according to the OWI report, the reduction of excessive working hours—to a minimum of forty-seven hours a week, from sixty to seventy-five, be it understood.

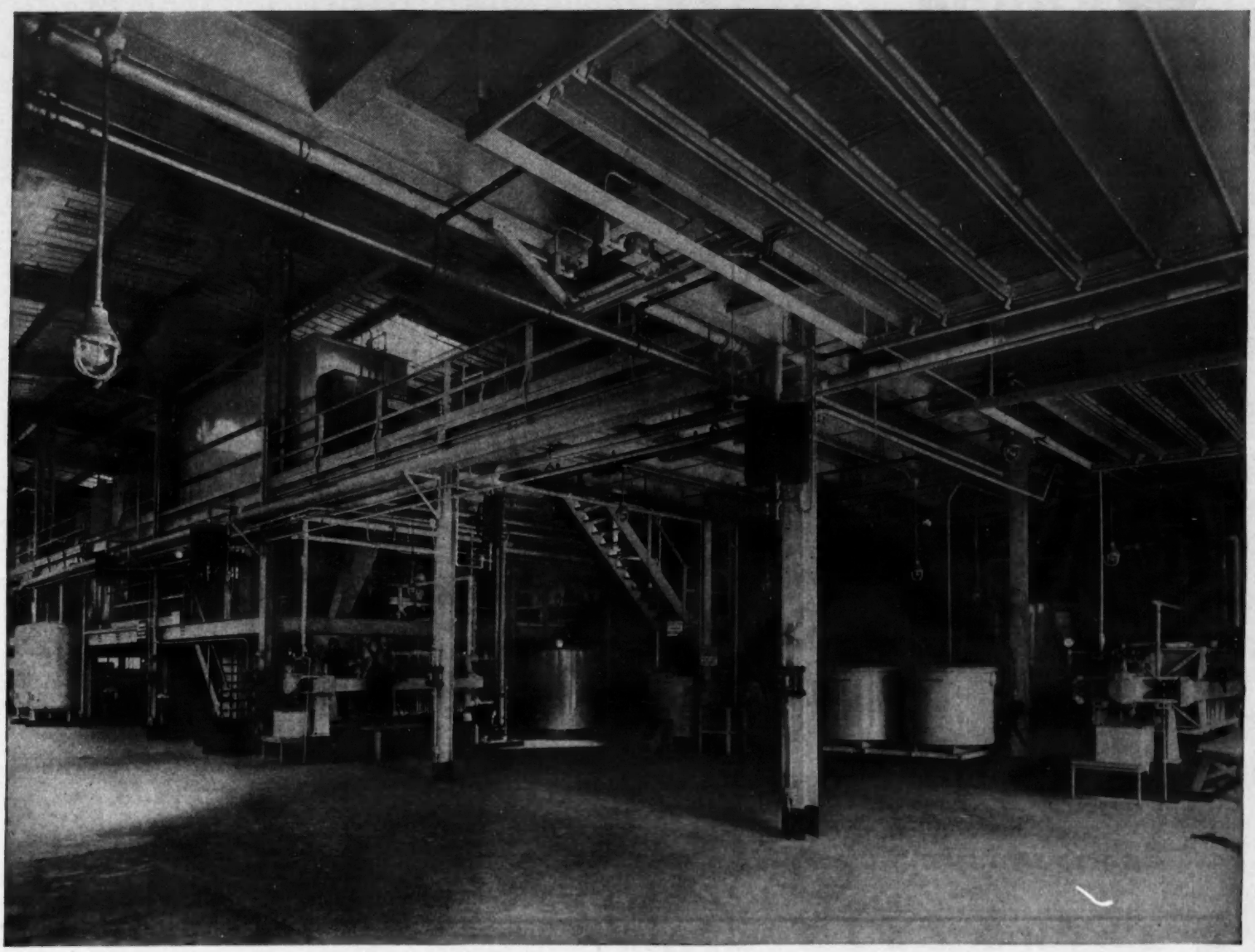
These plainly are self-evident, long-obvious facts. Why it required a vigorous war program to disclose them can be surmised, yes, understood by anybody who knows the usual nature of the relations of management and workers. This is evident in such things as the application of the term, "labor troubles," to conditions which arise from managerial shortcomings, and as the persistent disassociative reference to "industry and labor" as though the two were things apart. That is why Congress must step into the attempts to remedy "labor troubles." Business, in its human relations—something also usually miscalled—seems to be without the customary aversion to "State medicine": it leaves so much to governmental doctoring.

—O-P-D—

CMP Not Well Understood

One of the biggest needs for better understanding, better correlation, better cooperation between business and government in the war program lies in this thing of CMP. The War Production Board warningly admits that the functioning of this materials-control plan will have to be shaped up by trial and error. WPB says its CMP staff is trying to get rid in advance of as many "bugs" as can be discovered. It asks business to be patient when CMP Day comes along July 1.

CMP complaints are already many. For the most part they stem from lack of understanding. An open forum for information for both sides should be arranged.



Vitamins for Victory

• In all wars since history began disease has been the cause of more casualties, both military and civilian, than the weapons of the enemy. During the last World War it began to be recognized that some of these diseases, such as scurvy, were caused by a definite deficiency of some essential ingredient in the diet while others probably spread because of lowered resistance of the population due to this and other dietary lacks. Because of their relationship to life, these essentials were termed vitamins. Since practically nothing was known about them at the time, little could be done toward correcting these deficiencies.

Since then science has made tremendous strides in the chemistry of vitamins. The structure of most of those isolated has been determined and methods for synthesizing many of them developed.

The nations of the world have not been slow to recognize the importance of the vitamins. In her rearmament program Germany included factories for their production along with those for manufacturing guns, explosives and other munitions of war. One important ingredient in the emergency ration of the German parachute troops has been tablets of synthetic Ascorbic Acid (vitamin C). Our own Government has also recognized the importance of this vitamin and has included a product containing synthetic Ascorbic Acid in the ration of our Armed Forces.

The United States and the British Empire have also included the maintenance of civilian health and morale in their war plans. Enriched flours and breads, to which a number of the vitamins together with certain minerals have been added, have received official sanction. This development has been hampered by an insufficient supply of one of the vitamin ingredients – Riboflavin (vitamin B_2).

Chas. Pfizer & Co., Inc. has been one of the largest producers of Ascorbic Acid (vitamin C) for several years. There has been a continual increase in our production of this synthetic vitamin and plans are now in the process of consummation which will still further enlarge our productive facilities.

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Heavy Chemicals

WPB Orders Closer Control on Aluminum Plant Scrap Segregation —War Chemicals Continue to Move in Large Volume Into Consuming Channels—Prices Unchanged

The market for heavy chemicals exhibited little change over the past week as regards actvity or prices. Those chemicals important to war production continued to move in steady volume into these channels. Closer control on the segregation of aluminum plant scrap was put into effect by order M-1-d as amended by the War Production Board. Formerly persons generating 1,000 pounds of scrap in any one month were required to separate such scrap by form and alloy content, and otherwise to comply with the terms of the Aluminum Scrap Segregation Program as set forth in schedule B of the order. As amended, the order requires such segregation by persons generating 500 pounds or more of plant scrap.

The recent issuance of amended general preference order M-227 has placed allocations of copper chemicals on a quarterly instead of a monthly basis. It has been pointed out that the change was made in order to enable producers and consumers of these chemicals to plan production and consumption over a longer period with resulting economies of operation.

Paper production, as a percentage of six-day capacity, was 89.8 in the week ended March 13, according to the American Paper and Pulp Association. This compares with 89.5 in the previous week and 101.9 percent a year ago.

Aluminum.—Closer control on the segregation of aluminum plant scrap has been put into effect through the issuance of order M-1-d as amended by WPB.

Ammonia, Anhydrous.—No change in level of demand. Prices steady.

Ammonia, Aqua.—No new developments. Prices confirmed.

Ammoniac, Sal. — Conditions unaltered. Prices same. Non-essential use of certain specialty papers used in wrapping, specifically glassine, greaseproof, and vegetable parchment, has been prohibited by WPB.

Antimony Oxide. — Material under WPB allocation control. No movements as regards quotations.

Arsenic.—Consumption heavy with producers being taxed to meet demand. Higher prices for cotton have placed planters in a favorable position to buy calcium arsenate if a heavy infestation of boll weevil develops. Makers of insecticides taking part of their allotments in tanks and hopper bottom cars.

Barium Chlorate.—WPB allocations rule. Prices show no change.

Bauxite. — New features lacking. Quotations unchanged.

Bleaching Powder. — Demand continues active with no movements pricewise.

Carbon Tetrachloride.—Demand active but shortage of metal containers is tending to curtail shipments. Sales based on return of container with some factors stating containers are more difficult to obtain than material.

Chlorine.—Heavy shipments for war uses. Normal consumers also taking large amounts. Tone very firm.

Chloropicrin.—Position tight. Supplies for agricultural purposes at fair level. No change as regards quotations.

Chrome Ore.—Shipment of material just received. No change in prices.

Cobalt Acetate. — WPB allocations rule. Prices show no trend toward fluctuations.

Copper.—Recent issuance of amended general preference order M-227 has placed allocations of copper chemicals on a quarterly instead of a monthly basis. The change was made in order to enable producers and consumers of these chemicals to plan production and consumption over a longer period with resulting economies of operation.

Cryolite.—Good movement of material for insecticidal purposes. Quotations show no change.

Cyanide-Chloride Mixture.—Demand remains unchanged from recent levels. No movements pricewise.

Ethyl Chloride.—No change in market position. Prices same.

Feldspar. — Glass manufacturers continue to take large amounts. No price changes.

Glauber's Salt.—Demand light. Quotations confirmed.

Lead Acetate.—Supply level satisfactory. Prices unaltered.

Lime.—Production heavy. Demand active. Prices rule unchanged.

Manganese.—Shipment of ore in goodly quantity just received. Price schedules show no change.

Nickel Oxide.—WPB allocations rule transactions. Market tone unchanged.

Nickel Salt.—Demand light. No change in quotations.

Paris Green.—New features lacking. Prices same.

Phosphorus.—No new developments in market. Tone unaltered.

Potash Carbonate.—Interest at recent levels. Prices show no alterations.

Potash, Caustic.—Market devoid of new features. Prices unchanged.

Saltpeter.—Manufacturers able to meet steady consuming demand. Quotations firm.

Soda Ash.—New developments lacking. Quotations unaltered.

Soda Caustic.—Position unaltered. Prices unchanged. FDA purchased 168,000 pounds on March 5 at 2c. per pound.

Soda Chlorate.—Moderate lots of western material have reached market. Business being conducted under general preference order M-171. Former prices continue current.

Soda Fluoride.—Supplies limited for civilian wants. Demand showing tendency to expand with poultry farms attempting to cover seasonal requirements.

Soda Hydrosulphite.—Output moving freely to textile mills and bleacheries. Position steady.

Tungsten.—No new features. Quotations unchanged.

Zinc Cyanide.—Demand unchanged from recent levels. Tone same.

Zinc Sulphate.—Supply level fairly satisfactory. No change pricewise.

Acids

Abietic.—No new features. Prices continue unaltered.

Acetic. — War demand continues heavy. Prices firm.

Battery.—Market devoid of new developments. Quotations unaltered.

Formic.—No new developments in market. Quotations confirmed.

Gallic.—WPB eases control of vegetable tanning materials. Details elsewhere this issue. Prices show no change.

—Continued on page 31

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	170.2	170.2	170.1

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

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Successors to The J. H. R. Products Co.

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Victor Chemicals Enlist
FOR THE DURATION
Phosphorus and phosphorus compounds, in which we have specialized for over forty years, play a vital role in the defense of our country. We ask your indulgence should you find us unable to supply you as promptly as usual during the emergency.
VICTOR CHEMICAL WORKS
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Tungsten Process Described

The Bureau of Mines has published a circular describing how a relatively small mill to Lemhi county, Idaho, successfully handled complex hubnerite ores to produce tungsten concentrates, Dr. R. R. Sayers, director of the bureau has announced.

Copies of the report may be obtained by writing the bureau, Washington, D. C., for information circular 7230 "Methods and Costs of Concentrating Hubnerite Ores at the Ima Tungsten Mines, Lemhi county, Idaho," by C. M. Dice.

—O-P-D—

Biological Raw Products, Inc., has moved its offices to 415 Lexington avenue, this city.

COPPERAS Granular Crystals
E.M. SERGEANT PULP and CHEMICAL CO., Inc.
EMPIRE STATE BUILDING Established 1867 NEW YORK, N. Y.

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P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

INDUSTRIAL Washine CHEMICALS
SPOT STOCKS
LIQUID CAUSTIC SODA in Tank Wagons
SODIUM HYPOCHLORITE
MURIATIC ACID
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A TECHNICAL SALES ORGANIZATION COVERING
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STAUFFER CHEMICAL CO.
420 LEXINGTON AVE., NEW YORK
SAN FRANCISCO, CAL. CHICAGO, ILL.

Heavy Chemicals

Acids

—Continued from page 29

Hydrofluoric.—Call spotty. Prices unaltered.

Lactic.—Demand rather good. Prices unchanged.

Muriatic.—Heavy war call. Tone firm.

Naphthenic.—WPB allocations rule transactions. Quotations show no change.

Nitric.—War needs in large volume. Prices firmly held.

Sebacic.—No new developments. No movements pricewise.

Sulphuric.—War needs extensive. Level of demand from other quarters unchanged. Prices same.

Baltimore, March 17.—Production of sulphuric acid seems to be equal to the requirements of the government, with some acid left over for the needs of the fertilizer trade. Approximate prices are:—98 degree acid, $17.83 per ton; 66-degree, $16.95 per ton; and 60-degree, $14.13 per ton. Oleum remains quite uniformly at $19 per ton for both purites and brimstone production.

Tannic.—See gallic acid.

Insecticides

The seasonal upturn in demand for insecticides is expected to develop next month or early in May. Factors believe at least as much arsenic will be allocated this year as was the case in 1942 and are hopeful of receiving a larger quantity. Insecticide manufacturers are taking part of their allotments of arsenic in tanks and hopper bottom cars.

Calcium Arsenate.—No new developments in market. Quotations unaltered.

Lead Arsenate.—Market devoid of new features. Prices show no change. Higher prices for cotton have placed planters in a favorable position to buy calcium arsenate if a heavy infestation of boll weevil develops.

Nicotine Sulphate.—Supplies at good level. Quotations show no change.

Paradichlorobenzene.—Further increase in demand noted. Tone very firm.

—O-P-D—

Hercules Powder Gets Advertising Award

An advertising program described as a "chemical call to arms," designed to speed war production by emphasizing technical facts about strategic chemicals has won the award for the best business powder paper advertising in 1942.

Hercules Powder Company of Wilmington, Del., one of the nation's oldest and largest chemical firms, was picked by an awards jury of the Chicago Business Paper Association, after the national advertising campaigns of 121 other companies had been reviewed.

The presentation was made, March 11, at a joint luncheon of the Chicago Federated Advertising Club and the Chicago Business Paper Association, at the Sherman hotel. Accepting the award from King L. Rice, association president, Theodore Marvin, Hercules advertising manager, characterized the chemical firm's program as "an active force for finishing this cursed war quicker."

72d—OPD—Year

Rheem to Get $200,000 DPC Plant Facilities

The Rheem Manufacturing Company, South Gate, Calif., has entered into a contract with the Defense Plant Corporation, to provide plant facilities at a cost of approximately $200,000.

Phelps-Dodge Bayway Mills Lose 'E' Emblem

The Army-Navy "E" award has been withdrawn from the Bayway mills of the Phelps-Dodge Copper Products Corporation, Elizabeth, N. J., recently, it was disclosed in a letter from Admiral C. C. Bloch, chairman of the Navy Board of Production Awards, to Wylie Brown, president, announcing that the award has not been renewed because of failure to maintain "exacting standards of production, mainly because of work stoppages."

—O-P-D—

Major Merrill in Washington

Major Walter D. Merrill, president of Joseph Turner & Co., Ridgefield, N. J., and now on active duty with the U. S. Army Air Corps, has been transferred to the Air Corps staff headquarters of the A-3 Division and is located in the Pentagon building, Room 3D-1022, Washington. Major Merrill was formerly chief test pilot at Stewart Field, Newburgh, N. Y., the training center for West Point Cadets in the Air Corps. He is a graduate of West Point and prior to his entering the chemical business twelve years ago, was an officer in the regular U. S. Army. He is a former president of the Salesmen's Association of the American Chemical Industry.

—O-P-D—

Arsenical Supply Certain for Agriculture

—Continued from page 7

upon the amount available for civilian needs. This chemical is the base in producing some of the most important war gases. Regardless of this, it is understood the government will take care of allocations for all agricultural requirements.

A new angle of the arsenical situation, pertinent because of the "Victory garden" movement, appears in the governmental report (Bureau of Entomology mimeograph E-418) on the possible hazards of planting certain vegetables in soil which has been treated, usually with lead arsenate, to destroy Japanese beetle grubs. The report, in addition to noting the adverse effects of arsenated soil on plant roots and consequential retarding of growth, has this to say about the assimilation of arsenic by plants among the thirty-one with which experiments were made:—

Although very little arsenic was assimilated in the edible portions of most of these crops, with the exception of lettuce, onions, radishes, and turnips, the fact that some arsenic was assimilated makes it appear that this treatment is not desirable on crops used for human consumption.

—O-P-D—

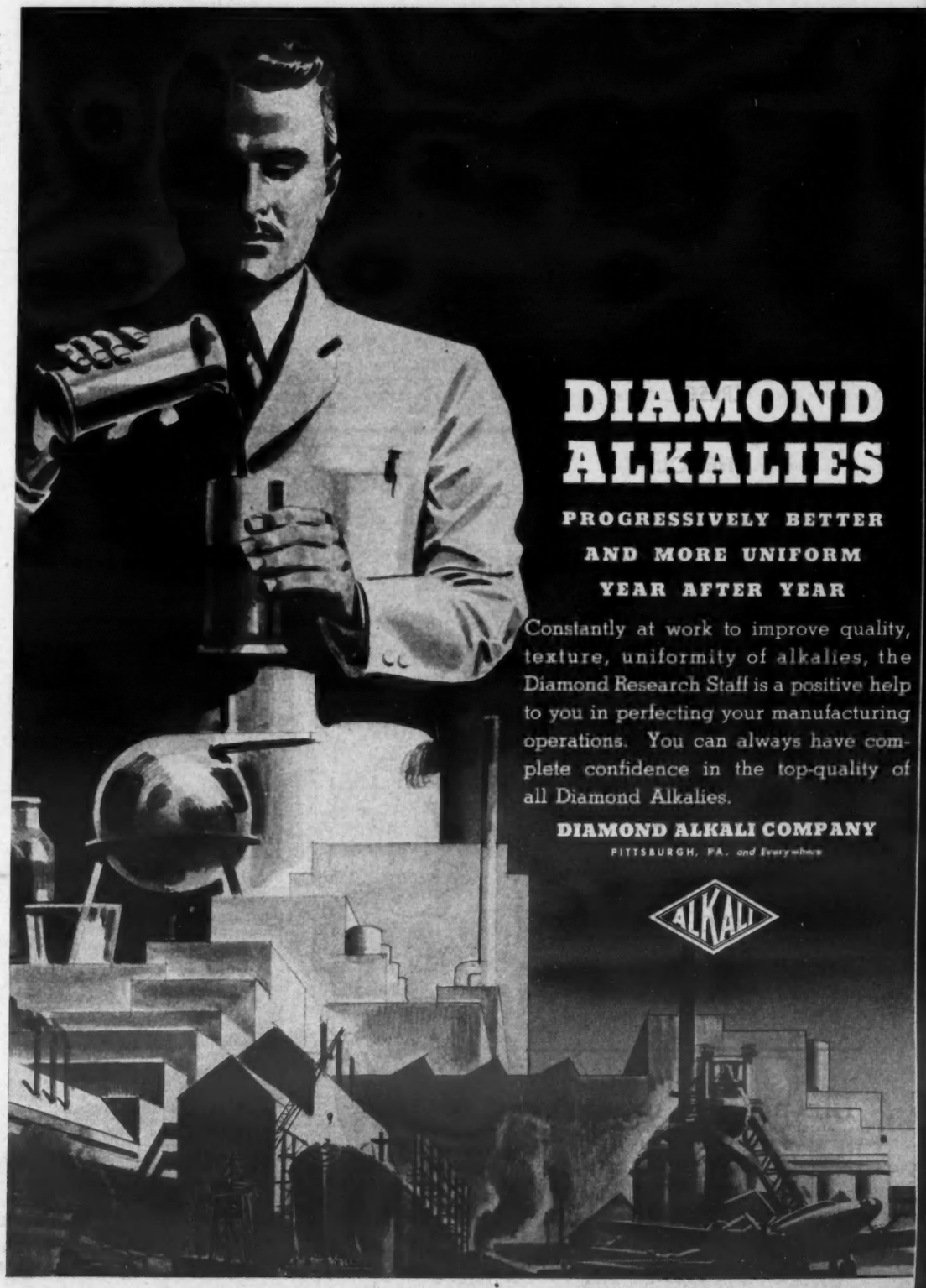
Fluorspar Output Up

Production of fluorspar totaled 337,000 tons in 1942 compared with 313,000 tons in 1941, according to the Bureau of Mines. Shipments from mines were broken down as follows:—

	Short Tons	
	1942	1941
Steel	225,233	214,120
Iron foundry	3,408	2,724
Glass	20,890	
Enamel	1,923	32,051
Hydrofluoric acid	88,083	52,074
Miscellaneous		6,916
Miscellaneous		6,916
Foreign consumption	20,779	12,184
Totals	360,316	320,969

—O-P-D—

F. L. Bume has been appointed the New York sales representative for acetate dyestuffs for the Tennessee Eastman Corporation.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ALKALIES
PROGRESSIVELY BETTER
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YEAR AFTER YEAR
Constantly at work to improve quality, texture, uniformity of alkalies, the Diamond Research Staff is a positive help to you in perfecting your manufacturing operations. You can always have complete confidence in the top-quality of all Diamond Alkalies.
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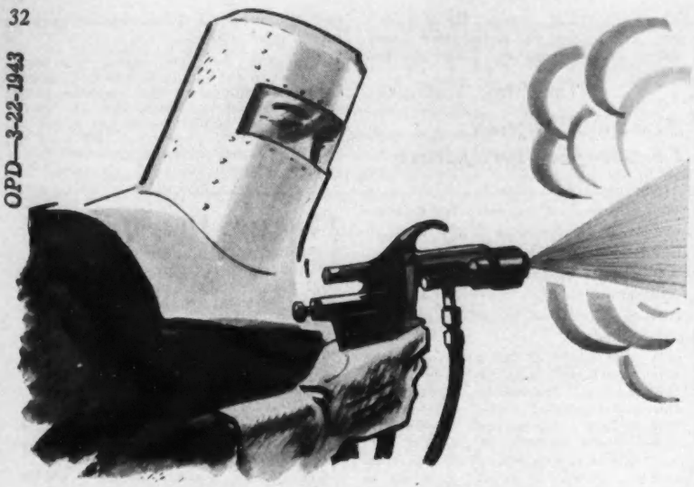
ALKALI

OPD—3-22-1943



BARRETT CHEMICALS

for the Paint, Varnish and Lacquer Industries

America's all-out Victory Program requires ever-increasing quantities of coal-tar chemicals for which Barrett is a key source of supply. All Barrett's facilities and 88 years of manufacturing experience are being utilized to keep production of these chemicals at top limits. We ask the indulgence, therefore, of our customers in civilian industries if deliveries are delayed.

BENZOL
CRESOL
CRESYLIC ACID
PHENOL
PARA CHLOR META CRESOL
CUMAR*
WIRE ENAMEL SOLVENT
HI-FLASH SOLVENT
NAPHTHALENE
PHTHALIC ANHYDRIDE
REFINED CREOSOTE OIL
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TOLUOL
XYLOL
CYCLOHEXANOL
CYCLOHEXANONE

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

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ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK

Barrett

*Trademark Reg. U. S. Pat. Off.

. . . . ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Basic Coaltar Products Continue in Tight Position—Production In Good Volume But War Needs for Several Items Very Heavy —OPA Sets Ceiling on Imported Cresylic Acid

The demand for basic coaltar products on the whole continued heavy over the past week, and market conditions were little altered. No price movements were noted. As has been pointed out previously, the tight position of basic products is reflected all along the line, acids and intermediates also being in short supply. Due to curtailment of activity in the civilian textile industry, the market for coaltar colors was not in as tight position as might otherwise have been expected, but the heavy call for certain shades used in connection with government work left producers little time on their hands.

Benzol continued last week to move in large volume to the government stockpile for use in connection with the synthetic rubber program, and needs also were heavy for aviation gasoline. War Production Board allocations continued to govern transactions in crude naphthalene, but production was in good volume. A seasonal pickup in demand is beginning to show in regard to the refined material. War needs for phenol were heavy, as was the case also with toluol. A maximum producers' price of 72.8c. per gallon has been established for imported grade A cresylic acid by the Office of Price Administratoin.

Steel operations last week were scheduled at 99.3 percent of capacity, a gain of 0.2 point over the previous week, according to the American Iron and Steel Institute. This is a new high for the year and compares with 98.3 percent a month ago and with 97.9 percent in the corresponding week of last year, a gain of 0.5 point.

Benzol.—Large movement continues to government stockpile for use in connection with synthetic rubber program. Aviation gasoline takings heavy. Prices steady. Estimates of by-product cokeoven operations in week ended March 13 indicate production from that source of 3,801,200 gallons of benzol.

Coaltar.—Market tone unaltered. No new features. Estimates of byproduct cokeoven operations in week ended March 13 indicate production from that source of 14,837,000 gallons of coaltar.

Creosote Oil.—War needs remain in good volume. Movement to railroads and utilities satisfactory. Price situation unchanged. Estimates of by-product cokeoven operations in week ended March 13 indicate production from that source of 784,700 gallons of creosote oil.

Cresylic Acid.—Producers' price of 72.8c. per gallon has been established for imported grade A cresylic acid by OPA. Grade B remains unchanged.

Naphthalene.—Output of crude heavy. Material under WPB allocation. Rising demand for refined. Tone steady. Estimates of byproduct cokeoven operations in week ended March 13 indicate production from that source of 1,655,300 pounds of crude and refined naphthalene.

Phenol.—War demand and lend-lease shipments heavy. Supplies for intermediates tight. Estimates of by-product cokeoven operations in week ended March 13 indicate production from that source of 220,700 pounds of phenol.

Pitch.—Market devoid of new features. Prices same.

Pyridin.—Tone continues firm with new features lacking.

Tar Acid Oil.—WPB allocations rule transactions. Prices show no change.

Toluol.—Material under WPB allocation with movement into war production channels very heavy. Tone firm. Estimates of byproduct cokeoven operations in week ended March 13 indicate production from that source of 760,200 gallons of toluol.

Xylol.—Supplies tightening. Material under WPB allocation control. Prices unaltered. Estimates of by-product cokeoven operations in week ended March 13 indicate production from that source of 171,600 gallons of xylol, crude and refined.

Chicago, March 17.—Demand remains fairly good for most grades of coaltar bases. Inquiry has picked up a bit here and there for benzol. Most buyers seem anxious to keep material rolling to them in moderate quantities. Offerings are limited. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 15c. per gallon; toluol, 28c.; industrial xylol, 30c.; 10-degree xylol, 27c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	130.1

Market news that may have developed after this report was sent to press will be found on page 4.

Hydrogenated Solvents

Cyclohexane.—Good demand. Prices show no change.

Cyclohexanol.—Market position unaltered. Quotations steady.

Cyclohexanone. — Consumers taking material in good volume. No movements pricewise.

Methylcyclohexanol.—Demand continues active. No change in quotations.

Coaltar Acids

Anthranilic. — Supplies continue tight. No movements as regards quotations.

Benzoic, Technical. — New features lacking. Prices show no change.

Broenner's.—Demand routine. Pricewise, no alterations.

Cleve's.—Demand at recent good levels. Prices unaltered.

Fumaric. — Good demand against tight supplies. Tone firm.

Gamma.—Demand remains moderate to good. No change in quotations.

H.—Material in firm position with level of demand unchanged.

Laurent's.—Supplies short. Prices show no change.

Maleic.—Demand fair to good. Supply situation unaltered. Prices same.

Malic.—No new developments in tight market.

Picramic.—No new features. Tone same.

Picric.—Position unaltered. Supplies remain tight.

Salicylic.—Supplies short. Prices confirmed.

Sulphanilic. — Consumers showing good interest. No price movements.

Tobias.—No new developments in firm market.

Other Intermediates

Alphanaphthylamine.—Demand active. Quotations show no alterations.

Anilin.—Transactions governed by WPB allocations. Oil and salts continue in tight supply.

Anthraquinone.—New developments lacking. Prices same.

Benzaldehyde.—Supplies short. Tone firm.

Benzidin Base.—Demand continues active against tight supplies.

Association Meetings:—

American Association of Textile Chemists and Colorists, General Business Meeting, April 16, in New York.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

Benzoyl Chloride.—Tone of market unchanged. No new features.

Betanaphthol.—Tight supplies hold undertone firm.

Diethylanilin.—No new developments. Prices same.

Dimethylanilin.—No change in level of demand. Undertone remains firm. Prices unaltered.

Diphenyl. — Consumers showing steady interest. Supplies tight. Tone firm.

Diphenylamine.—Inquiry at good level. Position firm.

G Salt.—Needs in considerable volume. Prices unchanged.

Metanitroanilin.—Material in limited supply. Tone firm.

Metaparatoluidin. — Short supplies hold market firm.

Metaphenylenediamine. — Material under WPB allocation control. No change in quotations.

Metatoluylenediamine.—WPB allocations govern transactions. No movements as regards quotations.

Nitrobenzene.—Position tight. Price schedules confirmed.

Nitronaphthalene.—No change in market position. Quotations unaltered.

Orthocresol. — Position remains tight. No change in prices.

Orthonitroparachlorophenol. — Raw material shortage holds market tight.

Orthonitrophenol. — Supplies continue short due to tight raw material situation. Quotations same.

Paradichlorobenzene. — Demand on upgrade. Tone very firm.

Phthalic Anhydride. — Production schedules continue heavy. WPB allocations rule. Prices show no change.

Xylidin. — Market position unchanged. No new features.

Coaltar Colors

The situation in coaltar colors continued last week about unchanged from that prevailing over the past several months. Those textile mills working on government orders continued to take certain shades in large volume but the demand for other colors for the most part was quiet. Curtailment of operations in the civilian textile industry has been sharply reflected in this quarter for some time. The demand for colors for food, drugs, cosmetics and the like continued somewhat routine.

Bucy Quits WPB To Return to Atlas Co.

—*Continued from page 3*

du Pont de Nemours & Co., where he had divided his time between the research department and the sales staff.

Mr. Bucy has been chief of the Protective Coatings Section since August, 1942. When he first joined WPB fourteen months ago on leave from the Zapon division of the Atlas Powder Company, he was named chief of the coated fabrics unit and later became chief of the combined paint, varnish, lacquer and printing inks unit.

Commenting on Mr. Bucy's decision to resign and return to the Atlas Powder Company in an executive capacity, Dr. D. P. Morgan, chief of the Chemicals Division, WPB, said: —"It is with regret that we see Mr. Bucy leave the Chemicals Division where his services have been so greatly appreciated."

—O-P-D—

Washington Talks It Over

—*Continued from page 5*

stands the peculiarities of a particular situation better than officials in Washington can hope to do in spite of all their long-distance phoning and telegramming.

Polygonal Rubber Problem

Vice-President Wallace has again come forth with the suggestion that synthetic rubber production be abandoned after the war if its continuance depends upon a tariff for the industry to compete with natural rubber. In this respect, Mr. Wallace is reaffirming his economic views that an industry has no reason to exist which can not compete with foreign production in the American market except behind a high tariff wall.

Much might be said in favor of Mr. Wallace's economic thinking, particularly in the case of rubber, since the United States is going all out in a program to restore South America to its former prominence as the world's ranking rubber producer, but Mr. Wallace appears to be facing an exceedingly rocky road to get his views into the postwar plans of the country. He is facing at least four big obstacles:—(1) Oil and rubber companies can be expected to continue their experiments to bring down costs of producing the synthetic; (2) recommendations of the National Resources Planning Board that the productive machinery of the country never again be allowed to fall into its pre-Pearl Harbor state; (3) a nationalistic public opinion on essential materials, and (4) the successful campaign of the farm lobby in educating farmers to the belief that synthetic rubber will be the answer to their prayers for a new outlet for surplus farm products after the war.

—O-P-D—

Alcohol Output Clouded By Corn Price Wrangle

—*Continued from page 3*

duction of synthetic rubber, the danger existed of 100 distilleries, capable of producing 100,000,000 gallons of alcohol a year, being forced to halt operations within 48 hours unless the matter was quickly cleared up.

Reports reaching officials in Washington disclosed that the controversy that has developed between the OPA and the agricultural interests has resulted in the holders of the corn stocks, chiefly the farmers, withholding their stocks from the market in the belief that the OPA eventually will be forced to lift its ceiling prices on corn or that steps being taken in Congress will bring about a better market pricewise.

The total supply of corn is 2,400,000,000 bushels of which 2,277,000,000 bushels are held on the farms.

The program of producing alcohol from grains is based largely on a mixture of corn and wheat and while it is possible to produce alcohol from wheat alone this is considered most undesirable from the distillers' viewpoint due to the difficulties of disposing of the mash under the sanitary laws of many of the States in which they operate. When corn is used the residue can be washed and processed and disposed of as cattle feed.

Meanwhile the Department of Agriculture and the Defense Supplies Corporation announced jointly the terms of a contract under which the Commodity Credit Corporation during the second quarter of 1943 will offer to sell wheat to distillers of industrial alcohol. No corn will be available from government stocks during this period.

—O-P-D—

West Coast Soap Stocks Prices Set

—*Continued from page 4*

the new amendment concerning distilled fatty acids providing that the usual or normal differentials for grade shall continue to apply. This will take care of differentials for any grades which are not specifically listed.

The pricing formula for split fatty acids set up by the new amendment is essentially the same as that established in the earlier amendment for computing the toll charge. The ceiling price is set as the cost of the raw materials plus a mark-up similar in amount to the tolling charge previously granted for splitting fats and oils. Prices are based on the tankcar cost of raw materials, since splitters customarily buy in tankcar lots.

Ceilings also are set for hydrogenated fish oil fatty acid at 14⅞ cents per pound, delivered east of the Rockies.

—O-P-D—

Piedmont Textile Chemists Meet

The first 1943 meeting of the Piedmont Section of the American Association of Textile Chemists and Colorists was held in Greenville, S. C., at the Poinsett hotel March 6. Lieut. Colonel Thomas D. Lewis, officer in charge of Duck, Webbing, and Thread of the Procurement Division, Jeffersonville Quartermaster Depot, discussed, "The Overall Picture of Dying and Finishing of Such Materials As They Concern the Jeffersonville, Ind., Quartermaster Depot."

Elmer C. Bertolet, senior technologist of the Engineering Division of the Jeffersonville Depot discussed "The Finishing of Army Ducks with Particular Reference to Mildew Proofing."

The next meeting of the Piedmont Section will be held in Greensboro, N. C., June 5.

AMMONIUM THIOCYANATE
(AMMONIUM SULFOCYANIDE)

Ammonium thiocyanate finds a variety of uses in industry . . . for the production of resinous condensation products, insecticides, metal plating baths, textile finishing agents, pickling compositions, photographic chemicals, lubricants and adhesives.

Ammonium thiocyanate has a behavior similar to other ammonium salts, but it also provides the variations of the thiocyanate group which is very stable and, in many reactions, resembles the halogens.

If you are now using any ammonium salts in your processes, such as chloride, acetate, oxalate, carbonate or nitrate, you may find you can use ammonium thiocyanate to advantage.

Samples and quotations on request.

KOPPERS

KOPPERS COMPANY
Tar and Chemical Division
PITTSBURGH, PA.

OPD—3-22-1943

LIQRO

TALL OIL

FOR THE PAINT AND VARNISH INDUSTRY

To Reduce Drying Oils for Civilians

(Bureau of Journal of Commerce)

WASHINGTON, Feb. 28.—Decreasing availability of drying oils coupled with increasing requirements of the armed forces necessitate a reduction in the amount for civilian protective coatings, the Paint, Varnish and Lacquer Industry Advisory Committee was informed at a meeting in Washington.

Quotas under Order M-71 probably will be readjusted in the near future, the committee was told. The industry was urged to make the best possible use of available drying oils including the use of bodied oils in exterior paints and a reduction in the amount of drying oils in interior paints.

LIQRO

Range of Analyses

PHYSICAL DATA	
Specific Gravity 60°F/60°F	0.97-0.99
Pour point, not over, °F	45
Viscosity—Saybolt Universal at 210°F—Seconds	95-120
Flash Point, °F	350-370
Fire Point, °F	410-430
Color	Brown
Moisture—Less than, %	0.4
CHEMICAL DATA	
Acid Number	160-170
Saponification Number	165-175
Rosin Acids Number	80-90
Iodine Number (Wijs)	140-150
Ash—Less than, %	0.4
ANALYSIS	
Fatty Acids, %	45-50
Rosin Acids, %	42-48
Calc. as Abietic	
Sterols, Higher Alcohols, etc., %	6-9

LIQRO

Further restrictions on the use of oils for the paint industry makes it essential that all sources of fats, oils, and fatty acids be thoroughly investigated.

Crude Tall Oil is finding limited application in the paint industry at present, but a study of its properties should reveal that a much larger use can be developed. Because of its color it is not offered as a hundred percent replacement for those oils that have been used in the paint industry for these many years, but is being offered only as a partial replacement under conditions prevailing.

Samples and Literature Available on Request

PRODUCERS OF PRECIPITATED CALCIUM CARBONATE

INDUSTRIAL CHEMICAL SALES

DIVISION WEST VIRGINIA PULP & PAPER COMPANY

230 PARK AVENUE, NEW YORK CITY
35 E. WACKER DRIVE, CHICAGO, ILLINOIS
748 PUBLIC LEDGER BLDG., PHILADELPHIA, PA.
844 LEADER BLDG., CLEVELAND, OHIO.

Paint, Varnish, Lacquer Materials

Fairly Sizable Movement of Paint Materials Continues to Be Recorded But With Buying on Civilian Account Overshadowed Once More By War Production Activities

Buying operations in the paint, varnish and lacquer materials market for war production uses are once more running slightly ahead of those for civilian account, as the purchasing agencies of the Army, Navy and lend-lease bureau are issuing new calls for bids and awarding numerous contracts on previously-prepared proposals while the somewhat unseasonal continuance of cold and stormy weather has chilled the buying ardor of paint mixers and other manufacturers of ready-for-application protective coatings by postponing the opening of outdoor painting movements in the northerly reaches of the United States.

Until it is possible for the paint makers to obtain a more definite intimation of the proportions which the civilian Spring painting campaign can be counted upon to attain, and the extent to which stocks in dealers' hands will be reduced, these manufacturers are likely to be conservative in replenishing and further amplifying supplies in their warehouses and plants.

In the interval, however, the movement of lead, zinc and titanium pigments and of many of the dry and chemical colors continues to reach a fair-sized aggregate on combined war and civilian accounts while the demand for glues and binders, especially casein, wherein notable shortages exist, is far in excess of the current output and supplies.

Price Changes

Advanced

Rosin, gum, pale, 7c. to 9c. per 100 lbs.
Turpentine, gum, 2c. per gal.

Reduced

Rosin, gum, med., 2c. to 10c. per 100 lbs.

Comparative Values

Index numbers compiled from ten typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Despite restrictions imposed by the War Production Board on certain uses of metallic lead, oxidizers and other lead pigment makers, are able to fill all their requirements in lead ores and pig lead.

Zinc ores are still in ample supply, but stocks of prime Western grade slab zinc are by no means as plentiful as those of pig lead.

In an amendment to WPB's Revised Price Regulation No. 3, covering prices of zinc scrap materials and secondary slab zinc, this federal bureau has ruled that all grades of secondary slab zinc which fail to meet the specifications for the prime Western grade must be sold below the maximum price for that grade, and also that less-than-car-load lots of secondary slab zinc are subject to a new pricing formula which equalizes prices for car-load and less-than-car-load lots, except for graduated quantity premiums, irrespective of their location. This revised regulation also eliminates the necessity of keeping records except in transactions involving industrial consumers.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from March 12 to March 19, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	* .. .. ..
Monday	.0650	.0635	.. .. ..
Tuesday	.0650	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from March 12 to March 19, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0866	$0.0825	* .. .. ..
Monday	.0866	.0825	.. .. ..
Tuesday	.0866	.0825	.. .. ..
Wednesday	.0866	.0825	.. .. ..
Thursday	.0866	.0825	.. .. ..
Friday	.0866	.0825	.. .. ..

* London exchange closed.

Pigments

Blue Lead.—Buying movement continues in fair volume. But stocks are still ample.

Lead Titanate.—Purchasing interest reaching moderate proportions. Supplies adequate.

Litharge.—In good request. Price well maintained.

Lithopone.—Continues in active call.

Orange Mineral. — Moving steadily into consuming channels.

Red Lead.—Buying operations gaining momentum.

Titanium. — A fair-sized business continues to be booked by producers, although there has been a slight slowing down of buying by the paint trade, as this has been ample compensated for by increased purchasing by manufacturers and coaters of lightweight papers.

White Lead.—A sizable movement is currently being recorded on contracts for both lend-lease and normal buying accounts.

Zinc Oxides.—Producers of American process oxides utilizing zinc ores are still swelling the volume of their output and sales in both lead free and leaded grades but there has been no improvement yet in the production of French process materials using zinc slabs.

Fillers and Extenders

Asbestos.—Movement of both Canadian and domestic materials continues without abatement. Latest arrivals have included 4,378 bagsful of Canadian grades.

Barytes.—Demand keeps up well, stocks adequate.

Charcoal.—Paint trade still buying fairly freely, although purchasing by other interests has been somewhat restricted by WPB's recently issued regulation.

China Clay.—Only routine movement is recorded.

Diatomaceous Earth.—Continues in light inquiry.

Fuller's Earth.—Movement continues sluggish.

Graphite. — In moderate demand. Stocks adequate.

Gypsum.—In fair request.

Mica.—Paint industry continuing to absorb sizable quantity of wet and dry ground scrap material. Manufacturers still able to meet all current requirements. Latest arrivals have consisted solely of the so-called strategic material—block mica and splittings.

Talc.—Demand for New York state fibrous material continues in excess of supply, with deliveries, except on priority ratings, 30 to 60 days behind schedule. Other descriptions are in moderate request and more liberal supply.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

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ALUMINUM STEARATE
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• PHILADELPHIA
• DALLAS
• MEMPHIS
• SHAWNEE, OKLA.
• LOS ANGELES
• SAN FRANCISCO
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• PORTLAND, ORE.
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Driers

Despite a steady extension of WPB's use restrictions upon numerous raw materials, production of a majority of drier products continues in moderate volume. There is an unbatedly keen demand for the various stearates and palmitates. Linoresinates are in good request and strongly held, with the possibility looming for a naming of higher prices for them if the advance in the linseed oil market continues. Other substitutes for the allocated naphthanates are also moving well.

Dry Colors

Alkali Blue.—In only light inquiry.

Bone Blacks.—Moving slowly into consuming channels. Supplies still ample.

Chrome Colors.—Under the leadership of chrome oxide and zinc yellow, the movement in these colors is being maintained in fairly sizable volume, with the business about equally divided between war production and civilian accounts. Chrome green and yellow are second in activity only to oxide and zinc toner. But, despite recent heavy drainage of stocks in the filling of Navy orders, supplies of most of these colors continue adequate for all current requirements.

Carbon Blacks.—Absorption of gas blacks by producers of natural and synthetic rubber goods is growing steadily greater and is expected to reach still greater proportions as the synthetic rubber production program gets further under way. Shipments of lamp and other carbon blacks are showing an increasingly large aggregate so far this month.

Lithol Toners. — Continue moving slowly but surely into consuming channels. Stocks more than adequate for current needs.

Mercuric Oxide.—In light request, with supplies more than ample.

Vermilions.—Only a sluggish movement is being recorded. Stocks still reaching considerable size.

Lacquer Materials

Acetone.—Government demand for material continues heavy. Prices are governed by individual OPA ceiling.

Butyl Acetate.—Market position is tight. Prices show no change.

Butyl Alcohol. — WPB allocations rule with prices governed by individual OPA ceiling.

Cellulose Acetate.—No new developments. Quotations unaltered.

Ethyl Acetate. — Market remains very tight. Price schedules confirmed.

Dibutyl Phthalate.—All phthalates continue in tight supply. No movements pricewise.

Nitrocellulose.—New features lacking. Tone very firm.

Tricresyl Phosphate. — Production heavy with material under WPB allocation control. Quotations steady.

Naval Stores

The strength of pale rosins continued to be the leading feature of the naval stores situation. The trend of these grades was still upward during the past week, water white rising in the Savannah market on Wednesday to $4.70 per 100 pounds. This figure compared with $3.80 early in the year. The strength of the pale grades is attributed to scarcity. No increase in supplies is expected until new production begins to move to primary points. Operations in the woods are backward, due mainly to unseasonably low temperatures in recent weeks. Shortage of labor is also said to be responsible in some measure for the delay in getting operations under way. Other grades of rosin showed irregularity during the week, but the undertone was regarded by many as firm. An advance in turpentine was attributed to limited offerings and a somewhat better inquiry.

Turpentine.—Quiet conditions continued to prevail in the local market last week. Interest on the part of consumers was confined to small lots and the aggregate movement of such quantities was apparently not of much importance.

Savannah, March 19.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	64	150	7	90	26,301
Tuesday	64	...	...	593	25,708
Wednesday.	64½	1,350	...	...	25,708
Thursday	64¼	...	...	...	25,708
Friday	65	50	5	413	25,298

* No trading.

Chicago, March 19.—Turpentine quiet. Five-drum lots, 76c. per gallon; five

Hilo Vice-President

Joseph J. Mattiello, has been elected vice-president of Hilo Varnish Corporation, Brooklyn. He joined the Hilo firm in 1925, became technical director in 1933, a member of the directorate in 1934. He is a former president of the New York Paint and Varnish Production Club.

wood barrels, 81c.; single drums, 79c.; single barrels, 84c.

Rosin.—There was no material change in the character of business in the local market last week, purchases generally being limited to comparatively small quantities to meet the current needs of consumers and dealers.

Savannah, March 19.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.00	$3.00	$3.00	$3.00	$3.00
D	...	3.11	3.11	3.06	3.06	3.06
E	...	3.40	3.40	3.35	3.35	3.35
F	...	3.46	3.46	3.41	3.41	3.42
G	...	3.57	3.57	3.49	3.49	3.52
H	...	3.60	3.60	3.51	3.51	3.52
I	...	3.65	3.65	3.60	3.60	3.55
K	...	3.85	3.85	3.75	3.75	3.65
M	...	3.88	3.88	3.80	3.80	3.76
N	...	3.95	3.95	3.85	3.85	3.85
WG	...	4.33	4.33	4.40	4.40	4.40
WW	...	4.61	4.61	4.70	4.70	4.70
X	...	4.61	4.61	4.70	4.70	4.70
		Barrels				
Sales	...	31	...	124	...	53
Receipts.	...	9	297	9	178	...
Shipments	...	...	365	500	141	435
Stocks	...	...	...	...	...	21,843

* No trading.

Chicago, March 19.—Rosin more active. B grade, $4.30 per 100 pounds net; G, $4.89; M, $5.18; W.W., $5.91.

Other Naval Stores

Pine Oil.—Output moving steadily on contracts. Local spot stocks apparently light.

Rosin Oil.—Moderate quantities of all grades in fairly active request. Market firm.

Tar Oil.—Steady movement to local and other consumers and dealers. Quotations maintined.

Shellac

There is a broad interest in anything and any product that stands an even fair chance of doubling for genuine shellac for the balance of the national emergency. When war needs—direct or indirect—are met, there simply will not be any shellac left over for civilian uses of the unessential character. It may not prove anything—but it may well be said that it will be a most difficult task to get shellac here from Calcutta in quantities that even partially satisfy the voracious appetite of the war program. So the sooner that more, as good, or better substitutes for civilian use come on the market, the better for the civilian population.

Synthetic Resins

Numerous restrictions on permissible usage already imposed on phenol and many other important raw materials continue to hold down the volume of business in synthetic resins. But, while prices of most of the ingredients of plastics are still being strongly held, OPA had ordered a reduction within the past week in the prices for thermoplastic scrap, which has carried them about 25 percent below the maximums of last March. Under the terms of a new regulation, OPA has named cents-per-pound ceiling prices on cellulose acetate, the plastic grade of cellulose nitrate, cellulose acetate butyrate, methyl meth-

acrylate, polystyrene, polyvinyl chloride, copolymers of vinyl chloride, vinyl acetate and polyvinyl bntyral.

Varnish Gums

Asphaltum.—A steady movement into consuming channels is noted for virtually all classifications of this gum. The supply situation, however, is becoming tighter daily.

Copals.—Interests which hitherto used large quantities of synthetic resins are turning in steadily increasing numbers to Congo copals, as offering excellent substitutes. Varnish makers continue to replenish their stocks of these gums, but are still limited in their takings to sixty days' supply. There is still an active inquiry for spirit soluble gums, of which the market has been virtually bare for the past several months.

Glues and Binders

Casein.—With domestic production reduced to meager proportions and with the Argentine material shut out from the American market, plastic materials makers engaged in war work as well as manufacturers of casein-bound paints are feeling the pinch occasioned by this death of immediately available supplies. Those who bought Argentine casein within the last few months, in the hope that import permits would soon be granted and who paid up to 9 cents per pound for the 20-30 mesh grade at Buenos Aires, are now offering some of their holdings on a basis of 6½ cents and even 6¼ cents per pound, ex warehouse. Meanwhile the leading domestic producer has withdrawn from the market and others are contemplating similar action in the absence of the long-delayed establisment of a uniform cents-per-pound price by OPA and threatened allocation control by WPB.

Glues.—The demand for bone glues is continuing to expand but so far has not exhausted available stocks, although it has reduced them considerably. Hide glues are being taken up as rapidly and to as great an extent as present meager supplies permit. The shortage in the latter glues is becoming more acute because of increasing difficulties in procuring adequate raw materials.

—O-P-D—

Plastic, Coldwater Paint Sales for 1942

Sales of plastic and coldwater paints and calcimines reported by sixty manufacturers ot the Bureau of Census for the calendar year 1942 were as follows:—

Plastic Paints

	Pounds	Value
*Total	524,193	$44,506

* Includes paste and dry powder plastic paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement bound	418,037	$30,268
casein-bound	385,696	25,693
Interior, casein-bound, paste or semi-paste form	*288,907	360,202
dry-powder form	995,051	89,329
glue-bound	242,482	8,533
Total		$458,064

* Gallons.

Calcimines

	Pounds	Value
Hot-water	1,336,435	$62,475
Cold-water	1,108,030	51,069

Sales of these products for January, 1943, compared with those for the corresponding month of 1942, were as follows:—

	1943	1942
Plastic paints.....lbs.	524,193	595,477
value.	$44,506	$46,180
Cold-water paints..value	$514,023	$612,449
Calcimines .....lbs.	2,438,465	4,130,554
value.	$113,544	$189,594

72d—OPD—Year

Paint to Be Made From Waste Printer's Ink

OPD Washington Bureau

A plan to make paint out of waste ink scraped from the presses at the Bureau of Engraving and Printing has been under discussion by the general superintendent of the District of Columbia Penal Institutions and the Bureau of Engraving and Printing. Early in the year, samples of green and black-ink pastes were received from the D. C. Penal Institution at Lorton, Va., with the request that the bureau furnish information on what to mix with these pastes to make paint.

After some experimental work, mixing formulas were developed and sent to the superintendent, who informed the bureau that he is planning to turn out 70,000 gallons of paint a year.

—O-P-D—

Color Standards Booklet Issued

General Printing Ink Corporation has issued a folder entitled "Color Standards," which presents a convenient check-list of thirty-four color systems and color standards widely used in American industry and science. A copy of this brochure is available upon written request to General Printing Ink Corporation.

—O-P-D—

Socony Paint Gets 'M'

Socony Paint Products, Division of Socony-Vacuum Oil Co., has received the Maritime "M" Award for excellence in war production, at its Long Island city works.

—O-P-D—

National Lead Company has 1,037 employees serving in the armed forces.

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Copper, Lead, Zinc Price Control Held to Refined

Price control affects primary copper, lead and zinc only in their refind form, the Office of Price Administration said March 10 in removing milling, smelting, and refining of ores of the three metals from control under the General Maximum Price Regulation. Specifically the exemption covers the milling, smelting, and refining of copper, lead, and zinc ores, concentrates, mattes, speiss, bullion and blister.

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Sensitizer (U.S. 2072908) in—
Photographic emulsions

Cyclohexanoneglycerol

Miscellaneous
Claimed (U.S. 2137006) as—
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Elasticizing and softening agent (U.S. 2137006) for—
Albuminous artificial stuffs

Ethylene

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see below)

Agriculture
Acidity lowerer for—
Apples, pineapples, plums, and other fruits
Blanching promoter for —
Celery, endive, and other vegetables
Catalyst in—
Maturing fruit
Coloring accelerator for—
Bananas Melons
Citrous fruits Tomatoes
Reagent (U.S. 1846143) in—
Artificial coloring of citrous fruit coated with a mixture of carnauba and paraffin waxes
Reducer of—
Packing house losses from rot and fungous growth
Shipping losses from rot and fungous growth
Remover of—
Acrid, bitter green substances from leafy green vegetables (U.S. (1721595)
Outer husks from walnuts when they have failed to crack normally
Chemical
Starting point in making—
Acetaldehyde (U.S. 1234886, 1315543, and 1315546)
Acetic acid (U.S. 1315543, 1315546, and 1904160)
Acetylene (Brit. 440432) with the aid of—
Nitrogen
Methane and a diluent gas
Aliphatic carboxylic acid (U.S. 2000053) with the aid of—
Carbon monoxide
Steam
Bromochloroethane (U.S. 1306472)
2-Bromoethanol (U.S. 1496675)
Carbon black (U.S. 1514638)
2-Chloroethanol (U.S. 1234886, 1394664, 1456590, 1482306, and 1496675)
Dichloroethane (U.S. 1270759, 1402337, and 1402338)
Ethyl alcohol with the aid of—
Steam
Suitable catalyst
Sulphuric acid
Ethyl alcohol (Brit. 389136) with the aid of—
Alkali metal hydroxides
Calcium oxide
Magnesium oxide
Steam
Ethyl alcohol (U.S. 1234886, 1339947, 1412233, 1438123, 1464153, and 1510425)
Ethyl chloride (Brit. 466134) with the aid of—
Anhydrous aluminum chloride (catalyst)
Betatrichloroethane (suspension medium)
Hydrogen chloride
Ethyl chloride (U.S. 1470656 and 1518182)
Ethyl chlorosulphonate (U.S.1510425)
Ethyl ether (U.S. 1234886, 1308777, and 1464153)
Ethyl fluoride (Briti. 406284) with the aid of—
Hydrogen fluoride
Zinc fluoride (catalyst)

(To be continued)

Nonaethyleneglycol Monostearate

Chemical
Emulsifying agent in making—
Emulsions and dispersions of various chemicals
Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
Wetting compositions
Disinfectant
Emulsifying agent in making—
Emulsified Germicidial and deodorizing preparations
Dye
Emulsifying agent in making—
Color lakes
Dye preparations
Fats, Oils, and Waxes
Emulsifying agent in making—
Boring oils
Drilling oils
Emulsions of various animal and vegetable fats and oils
Emulsions of natural and synthetic waxes
Greasing compositions
Lubricating compositions containing vegetable or animal fats and oils
Wetting compositions containing oils
Wire-drawing oils
Ink
Emulsifying agent in making—
Printing inks Writing inks
Insecticide
Emulsifying agent in making—
Insecticidal preparations
Vermin exterminators
Leather
Emulsifying agent in making—
Dressing compositions containing various substances, such as shellac, gums, resins, fats, and oils
Fat-liquoring baths
Finishing compositions
Soaking compositions
Soaking compositions containing neatsfoot oil or other oils
Weatherproofing compositions
Miscellaneous
Emulsifying agent in making—
Automobile polishes
Cleansing compositions containing soaps
Compositions for cleansing paint and metal surfaces
Degreasing and greasing compositions
Detersive and scouring compositions
Furniture polishes
Metal polishes
Scouring compositions for woodwork, linoleum, rugs, and the like
Shoe creams and polishes
Waterproofing compositions
Soapless thickener for various purposes
Oilcloth and Linoleum
Emulsifying agent in making—
Coating compositions
Paint, Varnish, and Lacquer
Emulsifying agent in making—
Asphaltic paints and varnishes
Emulsified paints and varnishes
Pigment emulsions
Shellac emulsions
Waterproofing compositions
Paper
Emulsifying agent in making—
Emulsified preparations used for the treatment of paper and pulp articles
Sizing compositions containing rosin, casein, starches, and the like
Waterproofing compositions
Waxing compositions
Perfume
Emulsifying agent in making—
Creams
Lotions
Latherless shaving creams
Shampoos
Various emulsified perfumes and cosmetics

(To be continued)

Data similar to those above on Uses and Applications of **5167** *Chemicals and Related Industrial Materials in one 665-page book* **$10**

Dyestuffs, Textile, and Leather Chemicals

Amended Order M-277 Brings Brighter Aspect to Tanning Materials Supply Situation—Restrictions on Use of Quebracho, Urunday Extracts for Oil Well Drilling Relaxed

The supply situation in the market for dyestuffs, textile, and leather chemicals took on a somewhat brighter aspect last week with the issuance of amended conservation order M-277 by the War Production Board. The amended order redefined processor as meaning any person who consumed during 1942, or who hereafter consumes, more than 2,500 tan-units of vegetable tanning materials during any one calendar month for the production of leather, furs, pharmaceuticals, crude petroleum oil or any product for treating water, or for any other purpose. The order formerly specified 1,000 tan-units.

The following materials, including extracts, blends, and combinations thereof, are covered by M-277:—California oakbark, chestnut oakbark, chestnut wood, hemlock bark, sumac, algarobilla pods, divi-divi pods, gambier, mangrove bark, myrobalans, tara pods and powder, urunday, valonia beards and cups, and wattle or mimosa bark.

The amended order relaxes restrictions on the use of quebracho and urunday extracts by the petroleum industry for the drilling of wells and, in addition, liberalizes restrictions on the use of vegetable tanning materials for the manufacture of tannic, gallic, and pyrogallic acids.

Carrying out its rapidly broadening program of specific dollars-and-cents price ceilings on raw agricultural commodities, the Office of Price Administration has placed permanent maximum prices on corn, America's top-ranking farm crop in point of size and value. The ceilings apply at every stage of distribution from the time the corn leaves the farmer's hand until it is sold by retail dealers. Approximately 110,000,000 bushels of the corn crop go to the wet process industry to be used in the production of corn starch, sugar, syrup, oil, and dextrin. According to the Department of Agriculture, the Commodity Credit Corporation through March 6 had completed 43,180 loans on 50,842,579 bushels of 1942 corn in the amount of $39,305,-084.91. The average amount advanced was 77c. per bushel. On the same date last year 88,844 loans had been completed on 92,046,777 bushels.

Horsehide leather has been made available for all military products, in addition to riding gloves, under the terms of conservation order M-141 as just amended by WPB. The use of horsehide leather made from horsehide fronts of nonmilitary quality has been confined to a list of specified civilian items. WPB has taken under advisement a recommendation of the glue industry advisory committee that it defer action on a proposal that some tanners' hides be diverted to hide glue manufacturers who are not obtaining sufficient stocks.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
260.6	260.6	260.6	259.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate. — Demand and prices at recent levels.

Alumina Chloride. — WPB allocations rule transactions on anhydrous material. Tone unchanged.

Antimony Salt.—Market devoid of new developments. Quotations steady.

Chrome Acetate.—Material moving out to normal consumers at satisfactory rate. Price schedules show no change.

Potash Bichromate. — Legitimate users find supplies at satisfactory level. Quotations unchanged.

Potash Prussiate. — Consumers' interest at recent levels. Tone steady.

Soda Bichromate.—Adequate supplies for legitimate consumers. Price schedules confirmed.

Soda Chromate.—Priorities govern transactions. No movements pricewise.

Soda-Formaldehyde Sulphoxylate.—No change in rate of activity. Prices same.

Soda Prussiate.—Call light. Quotations unaltered.

Sulfamic Acid. — Material under WPB allocation control. No change in quotations.

Sulphonated Oils. — No new developments. Price schedules unaltered.

Zinc Dust.—Market devoid of new developments with prices unchanged.

Dyestuffs

Annatto.—Stocks tight with only food coloring use allowed. No change in quotations.

Cochineal.—Demand continues fair with no alterations pricewise.

Fustic.—Market position unaltered. Prices same.

Hypernic.—Position steady and demand fair.

Logwood.—New developments lacking. Price schedules confirmed.

Madder, Dutch.—Situation unaltered with prices unchanged.

Turmeric.—Demand remains seasonally light.

Sizing Materials

Albumen, Blood.—Supplies at satisfactory level. Price schedules rule unchanged.

Albumen Egg.—Position nominal. New features lacking.

Dextrin, Corn.—Supplies tight. No movements pricewise.

Egg Yolk.—Market remains largely nominal. No new developments.

Starch, Corn.—Good domestic demand with lend-lease shipments continuing heavy. Prices firm.

Starch, Potato.—New features lacking. Prices same.

Starch, Rice.—Position unaltered with quotations unchanged.

Starch Sweet Potato.—Market devoid of new developments. No movements pricewise.

Starch, Wheat.—Conditions unaltered. Prices show no change.

Tapioca Flour.—No new features. Prices steady.

Zein.—Rather satisfactory movement of material to consumers. Price schedules confirmed.

Tanning Materials

Chestnut Extracts.—Demand unchanged from recent levels. WPB allocations rule. Prices same.

Divi-Divi.—WPB allocations rule transactions. No movements pricewise.

Hematine.—Interest in material continues fair to good. Prices show no change.

Hemlock Bark Extract.—New developments lacking. Material controlled by WPB allocation order. Prices unaltered.

Mangrove Bark.—New features lacking. Quotations confirmed.

Myrobalans.—WPB allocations rule. Prices same.

Nutgalls.—Under WPB allocation control. Tone steady.

Oakbark Extract.—No new developments. Quotations show no alterations. Material under WPB allocation control.

Osage Orange. — Position same. Prices unaltered.

Quebracho Extract.—Restrictions on use of quebracho or urunday extracts by petroleum industry for drilling of wells have been relaxed by WPB through an amendment to conservation order M-277.

Association Meetings:—

American Association of Textile Chemists and Colorists, General Business Meeting, April 16, in New York.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Asbestos Textiles Exceptions Made to M-28

OPD Washington Bureau

Two types of asbestos textile, asbestos wick made from roving and asbestos wick made on wicking cards, were removed from the list of allocated materials March 17 by the War Production Board, through issuance of General Conservation Order M-283 as amended. These two items are made on equipment not normally suitable for production of asbestos yarns and do not affect the overall production of asbestos yarn, according to the Cork, Asbestos and Fibrous Glass Division of WPB.

—O-P-D—

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Oils, Fats, and Waxes

Consumption of Refined Cottonseed Oil Increased Sharply in February—Further Rise in Domestic Flaxseed Prices—Stearic Acid Advanced — General Market Remains Firm

Inquiries were still numerous in all branches of the local market for vegetable, animal and fish oils, fats and greases last week, but as in recent preceding periods actual transactions were generally light for the reason that there was no relief from the scarcity of spot supplies that has been a very noticeable feature of the situation for a considerable period. Indications were lacking, moreover, of any change of consequence in such conditions in the near future. Meantime sellers continued to be fully employed in many cases with deliveries on contracts and the market in general retained a firm tone.

A not unexpected development was a further advance in flaxseed in the Northwest where severe winter weather not only hampered marketing of the old crop but also further delayed farm work that is already backward. Bullish sentiment on flaxseed was further strengthened by the rising cost of crop production as a result of the labor situation as well as by the apparent inclination on the part of farmers to hold for higher prices.

The monthly cottonseed report from the Census Bureau showed a sharp increase in consumption of refined oil during February, the disappearance of oil being approximately 360,000 barrels. This brought the consumption for seven months of the season up to 2,230,375 barrels, or 532,000 barrels more than in the corresponding period last season.

New ceilings for soap stock and some fatty acids distilled from vegetable oil foots were announced from Washington, the prices showing small advances over previous levels. Maximum prices for imported vegetable oil cake and meal were also established in line with those existing for domestic product.

Price Changes

Advanced

Linseed oil, 2/10c. per lb.
Stearic acid, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
194.1	193.6	193.0	194.2

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Castor, Dehydrated.—Steady movement into consuming channels on contracts and new orders. Raw material in better supply.

Coconut.—Local market quiet in absence of offerings. Also reported scarce and quiet on Pacific Coast.

Cottonseed. — Inquiries numerous, but business hampered by a continuation of light offerings, some sellers not being in a position to accept spot orders.

Oiticica.—No increase in offerings, spot or futures, and market quiet and nominal.

Olive.—Inquiry for edible olive oil stimulated by recent rationing order applying to other vegetable oils. Offerings light and quotations nominal.

Peanut.—Crude inquiries numerous. Firm at ceiling in all primary markets.

Soybean.—Crushing still curtailed locally by lack of beans. Western output moving steadily on contracts. Quotations nominal.

Markets at Other Centers

Chicago, March 19.—Vegetable oil trade fair. Corn oil, crude, mills, 12¾c. per pound; refined, edible, 15¼c. to 15½c. per pound, drums, car lots. Soybean, crude, 11¾c. per pound.

Los Angeles, March 17.—Vegetable oils quiet. Coconut, crude, nominal at 8c. per pound, tanks, to qualified buyers; cottonseed, bleachable, 14.15c., tanks; mustard seed, crude, 14c., tanks; sesame seed, crude, nominal at 15c., tanks.

Linseed Oil

The trend of flaxseed prices in domestic markets was again upward at times last week and linseed oil was firmer. There were reports of occasional inquiries, but activity was limited mainly to the forwarding of supplies on contracts previously placed, many consumers and dealers still being disposed to adhere to a waiting attitude pending further developments, especially in the matter of a ceiling price. Additions to oil supplies at the mills were reported at some points as production continued at capacity.

Minneapolis, March 19.—Linseed oil quiet. Shipping instructions fair. Stocks increasing as mills still operate at high speed.

Quotations, tankcars, 14.8c. per pound; cooperage, car lots, 15.7c.; warehouse lots, 16.1c.

Shipments of oil in pounds were as follows:—

	1943	1942
This week	7,740,000	5,600,000
Since Sept. 1	127,920,000	112,164,000

Los Angeles, March 17.—Linseed oil quiet. Tanks, 15c. per lb.

Linseed Meal.—Offerings still lacking here. Market nominal.

Minneapolis, March 19.—Meal trade still bound around by government rules and regulations. Market quiet.

Shipments of meal in pounds were as follows:—

	1943	1942
This week	9,660,000	7,560,000
Since Sept. 1	270,080,000	232,112,000

Flaxseed

Minneapolis, March 19.—Flaxseed crop movement decreased sharply owing to heavy snow and high winds. Sharp competition for the light offerings. Weather over wide area militated against field work. Only moderate plowing last Fall. Considerable flax acreage late this year.

The week's closing flaxseed price range was as follows:—

	Cash	May	July
Saturday	$3.09½	$2.93½	$2.93½
Monday	3.12½	2.96½	2.96
Tuesday	3.13½	2.96½	2.96½
Wednesday	3.15⅝	2.98¾	2.98⅝
Thursday	2.13	2.98	2.98
Friday	3.18	3.01	3.01

Crop movement in bushels follows:—

	Receipts		Shipments	
	1943	1942	1943	1942
This week	168,500	189,000	57,000	51,800
Since Sept. 1	15,212,900	8,073,600	1,823,300	477,600

Buenos Aires, March 19.—Flaxseed, $1.51 per bushel. Exports this week, 134,000 bushels to the United Kingdom. Visible supply, 46,063,000 bushels.

Cottonseed Oil

The market here for refined cottonseed oil futures remained extremely quiet. One July contract sold early in the week at 14.45c. March expired on Monday at 13.95c. bid. The open interest in the market March 16 was only nine contracts. Consumption in February was larger than expected, amounting to 359,583 barrels, against 310,708 in the previous month and 259,135 last year; total for seven months ended with February, 2,320,375 barrels, against 1,529,082 last year. Visible decreased 266,200 barrels during February, against a decrease of 158,000 last year. Total visible at close of February, 1,679,200 barrels, against 1,817,400 last year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from March 15 to March 19, inclusive, com-

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

prised 1 contract. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	....	....	13.95 bid
July	14.45	14.45	13.95 bid

Cash oil, 13.95c. bid.
Crude, Southeast, 12¾c.

Cake and Meal.—Offerings continued light. Tone firm.

Markets at Other Centers

Atlanta, March 17.—Mills releasing cottonseed meal in small lots to local buyers; no car-lot shipments of either meal or hulls. Prices at ceilings. Moderate lots of soybean meal available at $44.50 to $45.02 per ton, mills.

Memphis, March 18.—Crude cottonseed and soybean oil offerings light. Bids numerous. Meal demand urgent. Most mills say unsold stocks hardly adequate for local trade in less than cars. Crop preparations slow. Closing cottonseed meal quotations on Memphis exchange were as follows:—

	March 11	March 18
May	$39.00@—	$39.00@—
July	39.00@—	39.00@—

Fatty Acids

Purchasing of fatty acids was generally limited to moderate lots last week, but there was a well-distributed inquiry for such quantities, and in some instances business was hampered by the lack of adequate supplies of raw materials. The prevailing tone was firm. Stearic acid was advanced by some makers.

Chicago, March 19.—Fatty acids in good demand. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent, 3⅞c. to 4c. per pound; cottonseed foots, 50 percent, 3¼c. to 3½c.

Fish Oils

Menhaden.—Buying of refined oil limited to small lots for prompt shipment. Spot stocks light.

Sperm.—Occasional inquiries noted. Stocks light and diminishing. Tone firm.

Markets at Other Centers

Baltimore, March 17.—Though the season for herring fishing is still two weeks off, sales of oil have been made at the ceiling on a when-and-if-made basis. Menhaden oil remains at standstill.

Los Angeles, March 17.—Southern California's sardine tonnage increased sharply and oil production will be larger than expected. Tonnage for season for whole state to March 1 was 500,788, against 575,389 last season.

Fats and Greases

Grease.—Market quiet in absence of spot supplies, bulk of output moving into consuming channels on contracts. Tone firm.

Tallow.—Contract deliveries absorbing bulk of production. Little available on spot. Shortage reported in outside markets. Firm at ceiling.

Animal Oils

Neatsfoot.—All grades wanted by local and outside consumers and dealers. Supplies generally light. Market firm.

Tallow.—Firm with basic material. Trade routine.

Waxes

Inquiries reaching brokers last week and involving substantial quantities of No. 1 North Country carnauba wax brought the abrupt if not gruff declaration that "there is No. 1 North Country for sale at any price." And to a very substantial extent that brush-off of an inquiry could serve for practically all grades and qualities of the Brazilian wax. The fact is that when wax is swung out of the ship's hold, it is, in effect, swung directly into the plant of some manufacturing consumer who, in all probability, bought the wax months ago and had despaired of ever seeing it. It is proving impossible to get enough wax from Brazil to New York to provide a proper and badly needed reservoir of dealers' stocks. The same may be said, in greater of less degree, about practically every other kind of wax. Meanwhile, if the existing demand could be fired by ready supplies, the wax market would bubble and boil in merry fashion. As it is, the market is a veritable Sargasso Sea.

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OPD—3-22-1943

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Drugs and Fine Chemicals

Senate Committee Told Corn Owners Won't Sell Alcohol Makers—Wood-sugar Production by German Process Slated—Tanning Materials Control Eased

Alcohol occupied a front seat in the drug and fine chemical market arena—or, rather, it was corn as a raw material plus alcohol production from wood that held interest for many.

While admitting that production of industrial alcohol for war needs is at very high levels, the need for more and more output is apparent. Hence, when a senate committee was informed that some 100 alcohol plants working from grain could not obtain sufficient corn, the concern it caused was not entirely soothed by the statement that the carryover would be, according to the Commodity Credit Corporation, approximately 500,000,000 bushels, nor by the further assertion, made by a United States senator, that out of 2,000,000,000 bushels in this country only 40,000,000 bushels owned by the CCC can be bought. Corn may exist, said the informant of the committee, but those that own it won't sell at present prices.

Experimentation with the products of wood hydrolysis as a source of sugar and, hence, alcohol, is being undertaken by the War Production Board. The experiment will utilize a German process, will be aided by a German refugee, and will have approximately $55,000 in experimental money.

The War Production Board also liberalized the position of vegetable tanning materials. The original M-277 order defined "processor" as any person who in 1942 consumed more than 1,000 tan units per month. As amended, the order now reads "2,500 tan units." Consumption originally was restricted to making leather, pharmaceutical products, and water treatment. Under the amendment of March 15, vegetable tanning materials may also be used in making tannic, gallic, and pyrogallic acids. Relaxation of the original control order is expected to result in only a small increase in consumption of tanning materials. Details elsewhere, this issue. Atropine sulphate was down again.

Price Changes

Advanced

None

Reduced

Atropine sulphate, 15c. per oz.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
241.5	241.5	240.1	237.9

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Ascorbic.—Demand in high gear and without sign of being changed to a lower ratio. National needs—military and civilian plus lend-lease—rank at high levels and everything known suggests larger rather than smaller takings in the future.

Acid, Citric.—Closely allocated on the basis of 50 percent of the acid delivered in the corresponding month in 1942. Steady pursuit of substitutes, actual and alleged, testifies to the extent of citric acid shortage and the huge and unsatisfied consuming demand.

Acid, Gallic.—WPB liberalizes its M-277 order. Details elsewhere.

Acid, Pyrogallic.—M-277 order of WPB liberalized. Details elsewhere.

Tannic.—Liberalization of its M-277 order effected by WPB. Details elsewhere.

Acid, Tartaric. — The need runs high and the supply shows no trend toward increase. Strong position.

Alcohol.—subcommittee of senate on agriculture told that 100 distilleries producing 20,000,000 gallons of industrial alcohol per year may shut down through inability to buy corn. Commodity Credit Corporation estimates that 500,000,000 bushels of corn would be on hand at the close of the present marketing year as carryover held by all sources. WPB's Office of Production Research and Development plans extensive experiments in producing alcohol from the products of wood hydrolysis. Six months experimentation is expected to provide necessary, basic engineering knowledge for construction of a wood-sugar plant utilizing the Scholler process, a German achievement. A German refugee formerly working on the process in Germany is cooperating with WPB and the experiments will be financed by approximately $55,000 already set aside for that purpose.

Atropine Sulphate.—Down again, reaching $8.25 per ounce.

Borax.—Stocks of ample size reject probability of WPB allocation. Elimination of major use of enamel partly responsible for good stocks.

Bismuth Metal and Salts.—Complete allocation of salts as of April 1 confirms the large and increasing diversion of metal to purposes other than producing the medicinal chemicals.

Bromine and Bromides.—Bromides scarce as Japs in Joplin, Mo. Real and pressing needs hard to satisfy. Increase in production needed.

Brucine. — Scarce notwithstanding the fact that supplies of raw material have succeeded in getting through from India in fair volume.

Butyl Acetate.—Movement excellent and consumers press for more prompt deliveries. Stocks moderate as to reserves.

Butyl Alcohol.—Expansively attractive to consumers and available in quantities that meet requirements not too easily.

Butyl Carbinol.—Complete price stabilization is the rule, and demand holds brisk.

Butyl Chloride.—Deliveries reported fair on this market. Firm undertones and well stabilized selling prices.

Cadmium Metal and Salts.—Users of both metal and salts press for prompt deliveries on allocated material and the strong situation remains buttressed by lack of surplus supplies and continued growth in requirements.

Caffeine.—And still does OPA fail to announce its final decision regarding a dollar and cent price ceiling on this article. A source believed and usually found to be reliable recently said a ceiling was expected momentarily.

Calcium Gluconate.—Moving steadily at full prices. Inquiries included some business rather farther ahead than customary. Firm undertone.

Camphor.—The market lacks anything resembling an even moderate surplus. Production of synthetic is at excellent levels but creation of reserves in producer's hands has yet to be achieved in major fashion.

Castor Oil.—Producers have been receiving very fair quantities of beans but they appear hungry for an expansion in stocks of beans for pressing and national need backs the desirability of more beans for the makers.

Chicago, March 17.—Castor oil demand is in fairly good volume. Tone of the market holds firm to strong. Inquiry for additional material is larger than in

Association Meetings:—

American Institute of Chemical Engineers, Waldorf-Astoria, May 10 *and* 11.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

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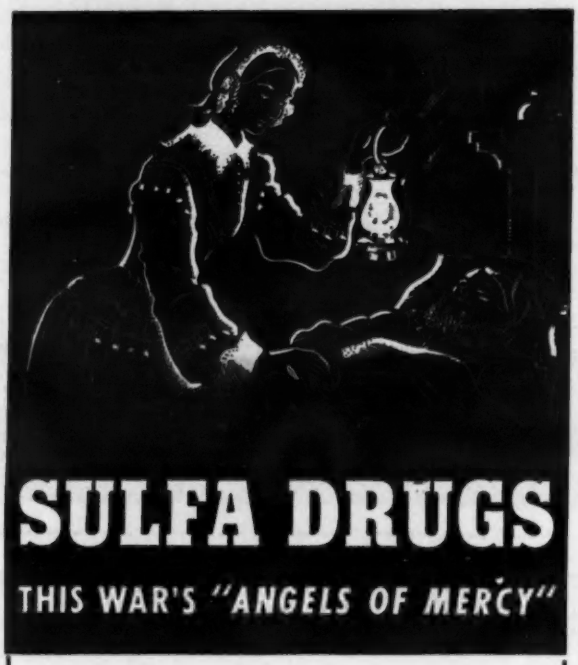

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some time. Prices are:—Cold pressed, U.S.P., 14½c. per pound, returnable drums, car lots; 15½c., drums, less than car lots; 12¾c., tanks; No. 3, extracted, 14½c., returnable drums, car lots; 15c., drums, less than car lots; 13½c., tanks.

Cream of Tartar.—Resellers doing a very nice business in this item. Several large bags sold in such directions last week at slightly in excess of producers' prices.

Fish Liver Oils.—Never a sign appears on the market that does not point to the continuation of heavy purchases of this material for lend-lease purposes. More civilian buying has developed of late.

Los Angeles, March 17.—The feeding trade is responsible for fair activity in the low potency oils but interest in the higher grades is about nominal. 100,000 unit A oil is listed by suppliers here at from 15c. to 16c.

Glycerin.—Routine in all respects but strong as to demand and free from any signs pointing toward creation of a surplus in excess of a size rendered imperative by the war program. More and more crude fats are required and recent reports of considerable improvement in civilian recovery of grease, drippings and the like in the home.

Chicago, March 17.—Demand for glycerin continues good. Suppliers find buyers willing to take most, or in some cases, all the material they can obtain. New inquiries also brisk. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Menthol.—Hardly a pound available and as yet no official move by government in the direction of providing for medicinal needs has come into the open.

Milk Powder.—Although additional purchase figures are lacking at this writing, heavy buying is certain to be continued by the Food Distribution Administration of the Department of Agriculture. Milk powder packed in 100-pound containers carries a ½c. per pound differential such as is allowed sellers who pack in 95-pound containers.

Molasses.—Sellers of cane blackstrap molasses pricing car lots on March sales under GMPR must also so price their less than car lot sales.

Milk Sugar.—Hard to get and not getting any easier so far as supply is concerned. Virtually a nominal market as to prompt delivery on new orders goes.

Quicksilver.—Production still under wraps caused by bad weather in the Far West. Better weather approaching. Consumption being met completely out of stockpile.

Los Angeles, March 17.—Demand for quicksilver unchanged. Local suppliers continue to quote from $191 to $192 per flask. Supplies are a bit restricted owing to weather conditions and the market is very firm.

Quinine.—Under terms of a contract between the governments of the United States and Costa Rica, seeds brought from Bataan, Philippine Islands, will be used to plant 10,000 acres in Costa Rica, and the United States government will have a 25 years' lease on the acreage after which the land reverts to Costa Rica. See story elsewhere, this issue.

—O-P-D—

Quartz Crystals Use Now Under Direct Control

OPD Washington Bureau

Regulations governing the use of quartz crystals have been further tightened with the issuance of an amendment to general Conservation Order M-146 that will permit the Director General for Operations to issue special directions with respect to the use, fabrication and delivery of the uncut crystals, semi-finished products, and scrap quartz. The amended regulation retains the essential provisions of the original order in a revised form. The language has been clarified, parts rearranged, and the intent made explicit by insertion of additional definitions.

The purpose of the amendment is to conserve the available supply of quartz crystals and to assure proper grading and maximum utilization of the material. A revised definition of "quartz crystals" specifies fifty grams as the minimum weight of any single crystal instead of one-quarter of a pound as in the previous order. "Scrap" is defined to mean any remnant or part of a quartz crystal remaining after the stone is cut, if such remnant is of a size less than fifty grams in weight.

Winthrop Vice-President

William H. Berg has been named vice-president of Winthrop Chemical Company, this city, with which company he has been affiliated since 1939. A pioneer in the marketing of vitamins, Mr. Berg is director of special markets and of the industrial division of Winthrop Chemical.

Alcohol Wood-Sugar Production Studied

—Continued from page 3

the Department of Agriculture. The Office of Production Research and Development will make available approximately $55,000 to the Forest Service to finance the operations.

Since both the pilot plants belong to American companies which had Scholler licenses before the war, considerable technical data concerning the Scholler process is already available in this country, but plans and detailed specifications for plant construction nor the exact operating data from which such plans and specifications could be prepared were not available.

Dr. Davis said that any private concern having a legitimate interest in the development of the Scholler process will be given access to information on all stages of progress of the experiments so that it may be in a position to offer to engineer and operate a commercial plant whenever the construction of such a plant appears justified.

—O-P-D—

A.P.M.A. Production Groups Programs Set

—Continued from page 3

"Substitutes for Critical Materials," a round-table discussion headed by Dr. E. C. Merrill, United Drug Company, with discussion by Dr. Justin L. Powers, chairman, Committee on National Formulary; Dr. Melvin W. Green, research associate, Committee on National Formulary; Dr. E. Fullerton Cook, chairman, U.S.P. Committee of Revision.

"Discussion of the Supply Situation," C. L. Lightfoot, Anchor Hocking Glass Corporation; J. F. Greene, Kimble Glass Company.

Guest, John Batson, drugs and cosmetics section, WPB., Washington.

Western Division

"Alcohol Drawback," Warner Crusinberry, Standard Chemical Company.

"The Maintenance of the Biological Control Laboratory," Dr. C. O. Miller, Lakeside Laboratories, Inc.

"Product Development as Related to Production," Sereck Fox, Gelatin Products Company.

"The Plight of the Production Man Today," W. C. Ross, Central Pharmacal Company.

"Substitutes for Sugar and Alcohol," C. R. Flint, Flint-Eaton & Co.

"Women in Pharmaceutical Production," Fred W. Misch, Smith-Dorsey Company.

"Substitutes for Machines and Maintenance Materials," Charles L. Weckesser, C. E. Jamieson & Co.

"Corelation of Government Restrictions on Raw Materials with Purchasing and Production," Jack Schopflin, George A. Breon & Co.

Guest speaker, Fred J. Stock, chief, drugs and cosmetics section, Chemicals Branch, War Production Board.

"Substitutes for Critical Materials," a round-table discussion headed by Dr. E. C. Merrill, United Drug Company.

Guest, John Batson, drugs and cosmetics section, WPB, Washington.

OPD—3-22-1943

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Brown Company—*Chloroform*
Hawaiian Pineapple Co.—*Citric Acid*
Zinsser & Co.—*Gallic Acid, Tannic Acid*
Stauffer Chemical Co.—*Cream Tartar, Tartaric Acid*
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Lanoline U.S.P., *Hydrous, Anhydrous*
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• PALATABLE — careful attention is given to this essential feature

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Aromatic Petroleum Solvents Allocated

—Continued from page 5

of all requests for these uses were allocated.

The following civilian uses were considered essential; requests in these classes were granted in full:—1. cleaning and degreasing (wool scouring and other textiles); 2. chemical uses:—dehydrating agents, vitamin synthesis, dyestuffs and intermediates, and gravure printing; 3. textile finishing; 4. health and technical equipment and supplies; 5. building materials, construction and equipment:—manufacturing plants, hospitals, schools, defense housing, agricultural, mining equipment; 6. container linings:—food, metal replacement program; 7. transportation, communications and utilities:—public conveyances, such as railroads, buses and taxis, power plants and public utilities.

Naphthenic Acid and Naphthenates

Requests for naphthenates and naphthenic acids for civilian use in the month of March were also normal. Only 2 percent of the requests for civilian use was denied as non-essential. The end uses falling in this non-essential class were:—1. furniture finishes and, 2. vague non-classifiable end uses.

Those end uses which were considered essential, and for which allocations were granted in full were:—1. manufacturing of lubricants; 2. printing inks; 3. treating fish and other nets; 4. health, safety and technical equipment; 5. industrial equipment and maintenance; 6. agricultural and mining machinery; 7. electrical insulation; 8. food containers; 9. public transportation.

—O-P-D—

Obituaries

H. N. Bowman

H. N. Bowman, treasurer of the Bowman Brothers Drug Company, Canton, Ohio, died from a heart attack in a hospital in that city March 2. He was sixty-one years of age.

Born in a little town in Tennessee, Mr. Bowman, who was familiarly known as "George," was graduated from Scio College of Pharmacy, now part of Mt. Union College, Alliance, Ohio in 1902, the year in which his brother, James C. Bowman, who died March 7, 1943, and the late Hugh A. Bowman opened a retail drug store. A short time later they formed the Bowman Brothers Drug Company, dealing in wholesale drugs. In 1910 following the death of H. A. Bowman, he succeeded him as treasurer, which position he held at the time of his death. In 1914, the Bowman brothers decided to turn to manufacturing of drugs and Mr. Bowman took charge of the division related to physicians and hospital supplies. In 1918 he served in France as a YMCA secretary.

Surviving are his wife, two daughters and a sister.

James C. Bowman

James C. Bowman, president of the Bowman Brothers Drug Company, Canton, Ohio, died in his home in that city March 7. He was sixty-four years of age. His brother, Homer M. Bowman, associated with him in business, died March 2.

Born in Loudon county, Tenn., he went to Somerset, O., at the age of twelve, when his father, Rev. John Bowman, a Brethren pastor, accepted a charge in that vicinity. With his brothers he operated a grocery store for a short period at Reddington, O. He then attended Scio College of Pharmacy, going from there to Ohio State University from where he was graduated as a pharmacist in 1898. After working in a drug store in Youngstown for two years he went to Canton and subsequently joined his brothers in the operation of a drug store and the formation of the Bowman Brothers Drug Company.

Surviving are his wife, a daughter, a son and a sister.

Millard C. Babcock, president of the Babcock Varnish Company for more than fifty years, died March 5 in Malden, Mass. He was eighty-two years of age.

Harold B. Campbell, a founder of the Colonial Can Company, Boston, who retired two years ago, died March 3. He was sixty-eight years of age.

Alfred E. Heroux, sales manager for the Paint Division of Aluminum Industries, Inc., Cincinnati, Ohio, died of a heart ailment March 7. He joined Aluminum Industries in 1933.

Edward H. Warnecke, associated for nearly a score of years with Stroock & Wittenberg Corporation, importer of natural and manufacturer of synthetic resins, died March 12 following a long illness. He had been affilited with the varnish gum industry during the greater part of his lifetime but had retired five years ago.

John Whyte, chief auditor for the Anaconda Copper Mining Company, this city, died in Jamaica, Queens. He was fifty-two years of age.

—O-P-D—

Skim Milk Differential For 100-lb. Containers Set

OPD Washington Bureau

The one-half-cent-at-pound differential allowed to sellers who pack bulk powdered skim milk or bulk powdered buttermink in 95-pound containers was extended March 15 to sellers who pack in 100-pound containers.

This action was effected through Amendment No. 5 to maximum price regulation No. 289.

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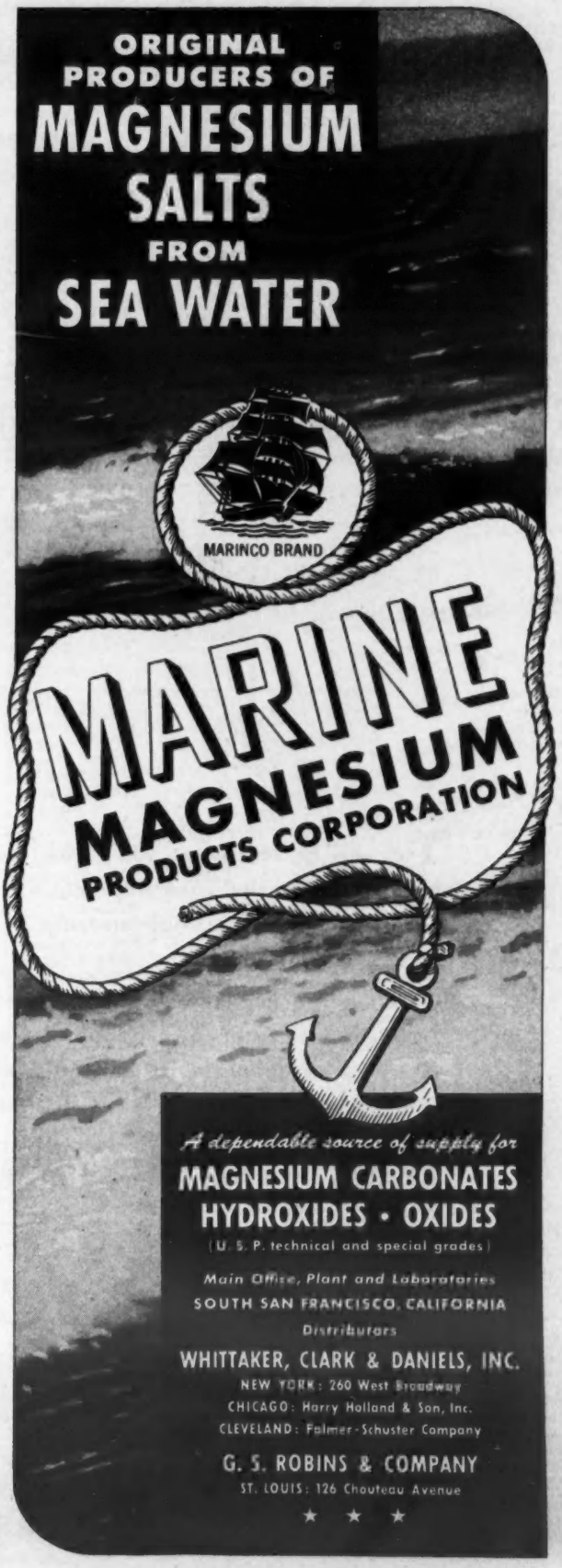
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OPD—3-22-1943

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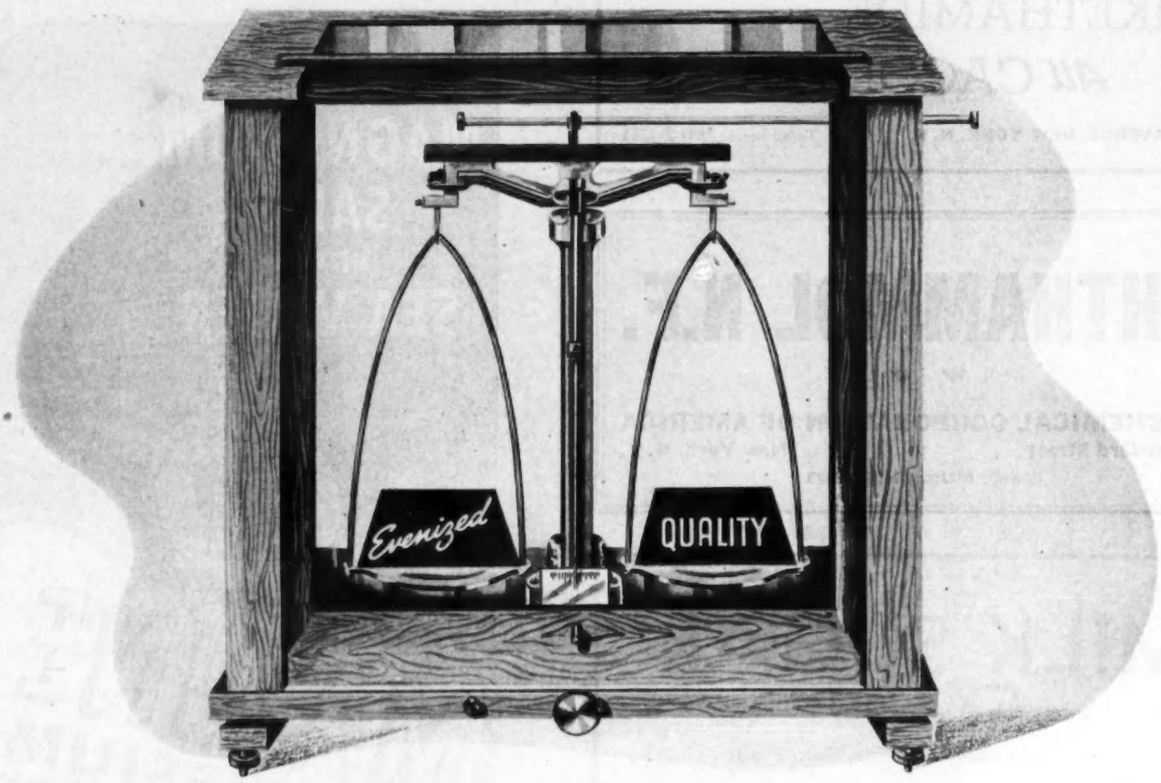

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Botanical Drugs, Spices and Gums

Belladonna and Dandelion Roots Sell at Lower Prices—Henbane, Henna and Stramonium Down Under Competition—Vanilla Beans Cheaper—Spanish Saffron Off

Price trend in the botanical market was mainly downward in items within the drug classification and usually upward when condimental items were involved.

In the drug division, the market lacked that sort of demand that sustains sellers' price views and keeps competition to the rear rather than the front of price developments.

Condimentals, on the other hand, while not in superior request, were exceptionally strong in foreign source markets where shipment quotations rose. More often than not, the items so placed had been selling out of spot stocks at prices below official ceilings and hence the higher shipment prices on replacement supplies were readily reflected in quotations for spot goods.

The lower priced botanical drugs included belladonna root, dandelion root, and henbane, henna and stramonium leaves, while arnica flowers were found at levels higher than had prevailed of late.

Caraway, celery, coriander, cumin, and mustard seeds sold at advances in price while lower quotations developed on Mexican anise, Spanish saffron, and vanilla beans.

The situation in vanilla was interesting. Recent arrivals of Bourbon beans on this market have reached sales channels at prices permitting a reduction of spot quotations to levels below the official dollars and cents ceiling. The decline brought Bourbon and West Indian beans down but scarcity of Mexican beans at this time resulted in firm maintenance of ceiling levels.

Balsams

Peru.—A firm, solid market with demand equal to recent volume and prices thoroughly maintained.

Tolu.—Rather quiet throughout the past week. Buying operations on hand-to-mouth basis fail to bring weakening of prices.

Barks

Angostura.—Plenty of bark around and few buyers, actual or reasonably prospective. Yet, picture can change quickly since numerous consumers have been clear of market for some time past.

Canella Alba.—Fair amount of jobbing activity. Stocks moderate to very small. Sellers maintain substantial reserve. Not inclined toward competition.

Cocillana.—Demand showed considerable revival last week, a somewhat unexpected situation in view of the prevailing season of the year. Most consumers have sufficient stock to tide them into the dull season.

Elm.—Demand has been well met during the Winter months and no real need has gone unsatisfied. There is also a moderate but satisfactory carryover in sight. Price stabilization continues.

White Pine.—The main season for manufacturing consumption has about passed, leaving the bark market quiet to dull but with prices displaying all possible signs of steadiness.

Beans

St. Ignatius.—Generally quiet spot market but also one of steady, well maintained prices and exceptionally moderate supply.

Vanilla.—Increase in stocks of Bourbons available on spot—and the supply is running to an excellent average quality—has brought a drop in prices to $8.75 to $9 per pound. Tahiti beans have dropped to $3.75 to $4 per pound for yellow label and $4 to $4.25 for white. Mexicans alone hold firm at ceiling levels, this for the reason that new crop is some way off and stocks actually on spot are extremely small.

Berries

Buckthorn.—Trifling supplies still remain but to all reasonable purpose the market is purely nominal.

Cubeb.—The tendency to strengthen continued although prices did not actually advance during the past week.

Flowers

Arnica.—The market was up and showed a tendency toward firmer position at $2.75 per pound. In fact, quotations in some quarters are substantially higher and GMPR price limitations would permit a still greater rise.

Chamomile. — More inquiry along jobbing lines was noted but transactions in quantities still remained to be achieved. Consumers continued to show some reserve in their operation and the available supply seemed ample.

Clover.—Exceptionally steady following the recent but slight decline in spot quotations. Demand was definitely routine.

Mullein. — Reasonably active and backed by very moderate quantities of merchandise. Prices were well stabilized and free from fluctuation.

Pyrethrum. — No further arrivals noted. Every pound obtainable will be needed to meet armed forces and civilian needs and it is likely that civilians will be on comparatively short rations during the coming active use-season.

Saffron.—The market has developed a lower level at $26.50 to $28 per pound. There did not seem to be much demand current during the past week.

Gums

Arabic. — Recent activity that consisted mainly of transactions between some dealers and some importers appeared to have subsided. If estimates are correct, substantial quantities have been removed from the hands of weak holders into those of merchants of substantial means. Whether or not confirmed market price improvement will result remains to be seen but it seems likely that if present weak holders fail to get further import li-

Price Changes

Advanced

Drugs

Arnica flowers, 10c. per lb.

Spices and Gums

Caraway seed, Syrian, dewhiskered, 1c. per lb.
Celery seed, Indian, ¼c. per lb.
Coriander seed, Indian, ¼c. per lb.
Cumin seed, Persian, ½c. per lb.
Mustard seed, California brown, ½c. per lb.
yellow, 1c. per lb.
Montana yellow, 1¾c. per lb.
Washington yellow, 1c. per lb.

Reduced

Drugs

Belladonna root, 10c. per lb.
Dandelion root, 2c. per lb.
Henbane leaves, 5c. per lb.
Henna leaves, whole, 1c. per lb.
powdered, 1c. per lb.
Stramonium leaves, 1c. per lb.

Spices and Gums

Anise, Mexican, 1c. per lb.
Saffron flowers, Spanish, $1.50 per lb.
Vanilla beans, Bourbon, $1.25 per lb.
Tahiti, white label, $2 per lb.
yellow label, $2 per lb.
West Indian, $1.25 per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
253.1	253.6	254.5	322.2

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

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CRUDE DRUGS

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- ALTHEA ROOT
- ANISEED
- BALSAM COPAIBA
- BALSAM PERU
- BALSAM TOLU
- BELLADONNA
- BENZOIN GUM
- BOLDO LEAVES
- BUCHU
- CELERY SEED
- CHAMOMILES
- CINCHONA BARK
- COCILLANA
- CORIANDER
- CORN SILK
- DANDELION
- ERGOT
- FENNEL SEED
- FOENUGREEK
- GENTIAN ROOT
- GINGER
- GUM ARABIC (all kinds)
- HELLEBORE RT. White
- HENBANE
- HOREHOUND
- IPECAC
- IRISH MOSS
- JUNIPER BERRIES
- KOLA NUTS
- LAUREL LEAVES
- LAVENDER FLOWERS
- MARJORAM
- OLIBANUM GUM
- ORANGE PEEL
- PAPAIN
- PEPPERMINT
- PSYLLIUM SEED
- QUINCE SEED
- RHUBARB ROOT
- ROSEMARY
- SAGE
- SARSAPARILLA
- SENNA LEAVES & PODS
- SQUILL ROOT
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- STROPHANTHUS SEED
- THYME LEAVES
- UVA URSI
- VALERIAN
- WHITE SQUILLS

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- BALSAM PERU
- BALSAM TOLU
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- BOLDO LEAVES
- BORRAGE FLOWERS
- BUCHU LEAVES
- CARAWAY SEED
- CELERY SEED
- CHAMOMILE FLOWERS
- CHAULMOOGRA OIL
- CLOVES, Zanzibar
- COCILLANA BARK
- COLOCYNTH PULP
- COLOMBO ROOT
- CORIANDER OIL AND SEED
- CUMIN SEED
- DANDELION ROOT
- DILL SEED, Indian
- ERGOT OF RYE
- FENNEL SEED, Indian
- FOENUGREEK SEED
- GENTIAN ROOT
- GINGER, Jamaica, Calicut
- GRAINS OF PARADISE
- GUM ARABIC AMBER SORTS
- GUM KARAYA
- HELLEBORE ROOT WHITE
- HERBA HERNIARIÆ
- HERBE MENTHE
- HOREHOUND HERB
- IRISH MOSS
- JUNIPER BERRIES
- KAMALA POWDER
- LAUREL LEAVES
- LAVENDER FLOWERS
- LINDEN FLOWERS, with Leaves
- MAHUANG, Chinese
- MARJORAM LEAVES
- NUX VOMICA
- OAK MOSS
- ORANGE OIL, Sweet
- ORRIS ROOT
- PEPPERMINT OIL
- PIMENTO, Jamaica
- POPPY SEED, Indian
- PSYLLIUM SEED AND HUSKS
- QUINCE SEED
- RHUBARB ROOT
- ROSEMARY LEAVES
- ROSEMARY OIL
- SAGE LEAVES
- SARSAPARILLA ROOT
- SAVIN OIL
- SAVORY
- SENNA LEAVES AND PODS
- SESAME SEED, Hulled and Natural
- STRAMONIUM LEAVES
- STROPHANTUS SEED
- THYME LEAVES AND OIL
- UVA URSA LEAVES
- VALERIAN ROOT

- AMINOPHYLLINE
- BARBITAL
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NAPHTHALENE

OIL ANISE

censes in the future, such an improvement in price is not at all unlikely. Consumption buyers wanted at 14½c. per pound.

Asafetida. — Undertones of firmness and stability resulted mainly from moderate supply and less by reason of the presence of any substantial consumer interest in the material.

Benzoin. — Interest of a seasonable sort was present in Sumatra gum, and the unsold supply in importers' hands was found to be exceptionally small in most instances.

Camphor. — Stocks were conservative and the consumption of synthetic material tended to keep unsold reserves at low levels. With prices about 1c. below ceilings established by the GMPR, it may be that some attention may develop in circles of the OPA. Meanwhile, plant capacity has probably been reached.

Herbs and Leaves

Belladonna. — Holding steady at fairly reasonable prices.

Henbane. — Reported sold at the slightly lower price of $1.70 per pound.

Henna. — Competition in evidence and demand lacks concentration. Whole, 18c. to 19c. per pound; powdered, 23c. to 24c.

Senna. — Alexandrian siftings tend firmer at 21c. per pound. Other senna prices steady.

Stramonium. — Reported moved to consumers at 21c. to 22c. per pound.

Miscellaneous

Balm of Gilead.—Easy, as new but very wet buds come to collection depots.

Dragon's Blood.—Little demand and little stock. Almost nominal.

Ergot.—Dull. Offerings attract practically no attention from buyers.

Lycopodium. — Some experimenting on prices noted. Market, $7 to $7.50 per pound with little doing but with a sales program in the making.

Roots

Belladonna. — Plentiful stocks and little buying even though prices drop

—*Continued on page 58*

Belladonna Cultivation Data Given by Laurie

—*Continued from page 3*

7. Fertilization did not increase the alkaloid yield.

8. Higher percentages of alkaloids were obtained from plants grown in soil with pH 5.5 to 6.5 than from plants grown in soil with a higher pH.

9. In sample from the nutrition plots, leaf material yielded a higher percent of alkaloids than did leaves and stems mixed. This is assumed to be the expected, though somewhat contradictory evidence has been met.

10. Production from belladonna grown in the greenhouse was not as high as that grown outdoors. Greenhouse production is definitely not profitable.

11. Stems could be cut to within 6 inches of the soil level and still insure the continued growth of the plant.

12. Translocation of alkaloids occurs after the material is cut.

13. Insects could be controlled by keeping the foliage covered with a stomach-poison dust.

Some hints on the cultivation of belladonna also are offered by Prof. Laurie and his associate as follows:—

1. Sow seeds February 15 to March 1. Use sterilized medium. Planting requires 203 seeds per acre if plants are spaced 12 inches by 2½ feet.

2. Prick off seedlings when first set of true leaves appears. Use sterilized soil. Space 2 inches by 2 inches in flat for most economy.

3. Plant in field May 1. Harden off in coldframe before planting. Don't plant too deeply. Space 12 inches by 2½ feet; 17,500 plants needed per acre. Apply complete fertilizer, 500 pounds per acre, soon after planting and after each of the first two harvests. Dust frequently, keeping foliage covered. Cultivate as needed.

4. Harvest when plants are in flower, but before fruit sets. Normally three harvests per year.

5. Dry in well-ventilated shed.

6. Possible production—300 pounds to 1,000 pounds per acre.

7. Estimated costs—$175 to $250 per acre.

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Essential Oils, Aromatic Chemicals

Advancing Spice Raises Clove Oil Prices—Sweet Almond Up Moderately After Sale of Depressed Stock—Peppermint, Spearmint Acreage Total Not Estimated

For some time past there has been a considerable pause in major activity in the market for essential oils and aromatic chemicals. And it cannot be said with accuracy that the activity was any better last week than it had been of late, except that there was possibly a moderate gain in orders that ordinarily would be classified as jobbing. But the substantial price advances that usually build a high volume of sales was absent.

Considerable comment regarding what the General Maximum Price Regulation had done to reduce the volume of sales was noted last week. This comment came from dealer and import agent, as well as manufacturer and distributor. And the idea that GMPR had eliminated the need for consumers to make at least a part of their profit by wise and opportune buying against future wants was an idea that had a considerable vogue.

There was also cited the also probable fact that major and minor manufacturing consumers still had warehouse reserves that permitted them to operate their production units as sufficiently to turn out all the goods possible, raw materials other than oils and aromatics being considered.

Price activity was insignificant last week, consisting of higher values being attached to sweet, true almond, and clove oils. Interest in probable production of peppermint was noted. Also of spearmint. But little light on acreage to be planted has yet been shed in the primary market. Citrous oils were doing fairly well at steady prices. Stocks of flower oils were very small and cannot be increased at an early date.

Price Changes

Advanced

Almond, sweet, 10c. per lb.
Clove, 5c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
239.1	239.0	245.0	305.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—The lower price was short lived. The market is up to $1.75 per pound minimum and most sellers refuse orders under $1.90 to $2.

Anise.—Firm at the recent advance and available in a restricted way at full market prices. Few have anything but substitutes to offer.

Apricot.—Reports of prices having been shaded slightly under competitive circumstances noted but not confirmed in any local quarter.

Bay.—Inquiry up and more active along moderate lines noted in some directions. All report the replacement position definitely strong.

Bergamot.—There is not much still available on spot and sellers say the quality of any offerings might be legitimately suspected.

Cajeput.—No lower and not subject to further unsettlement. Usually called steady to firm under a moderate, jobbing demand from consumers.

Camphor.—Little available except the by-product of making domestic synthetic camphor. Such oil sells for 15c. per pound.

Cananga.—Not much improvement in market interest but still showing signs of a steadier spot position. Not so much evidence of occasional price shading.

Capsicum (Oleoresin).—Raw material showing real strength. Has advanced moderately of late. Dependence mainly on Mexican and domestic peppers.

Caraway.—Interest was very small. Consisted of jobbing business in most instances. There is not much oil available. Quality oil brings high price.

Cassia.—The unengaged stocks are practically nil. Some of the larger manufacturing consumers believed still to hold fair sized inventories but they cannot be replaced now.

Celery.—Several fair sized parcels went out to spot stocks into consumption and at least two sales were made at $30 per pound.

Cinnamon.—Ceylon is a primary market still open to shipping and goods are offered and come from there from time to time. Actually, the supply is comparatively small on spot and consumers could use much more.

Clove.—Market higher at $1.70 to $1.75 per pound. This reflects the recent rather substantial advance in the cost of raw material and indicated also that demand is a fully sustaining element in the firm market.

Croton.—Inquiry gains but sales fail to show much of a change. The supply is not substantial and is poorly distributed.

Dill.—Spot business definitely limited to quantities strictly jobbing in size. However, there is more tendency to look forward to the new production season in the Far West whence comes oil that adds to stocks brought here from India.

Eucalyptus.—Considering the GMPR ceiling on this article, the present position of the material holds much interest. The tendency is upward.

Geranium.—Loosening of stocks in Madagascar, Reunion and other French islands is a slow affair. Local stocks have improved of late but there is still far from a normal reserve in hand.

Grapefruit.—Production should be increased if national needs of all sorts are to be met. Possibly less fruit will be available for oil output.

Ginger.—Until cheaper root comes to hand—and that is not in sight now—a turn of prices in the direction of normal levels is not likely. Stocks of oil remain small and prices hold firm.

Hemlock.—Not exceptionally well supplied but available in quantities that keep all known needs well covered at prices said to be very steady.

Juniper. — There is considerable doubt concerning the extent to which oil may be produced in this country this year. The result of domestic distillation received no accolades last year.

Lemon.—The domestic output of this oil keeps consuming needs supplied and maintains values on a completely stabilized price level.

Lemongrass.—In excellent supply and subject to low and easy prices at all times. The supply includes domestic and nearby production.

Lignaloe.—Not easy to get goods through from Mexico and prices in all markets show substantial strength at all times.

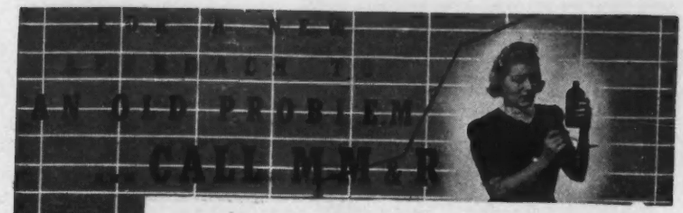
Lime.—Goods come in from Mexico, arrivals being noted last week. Local quotations appear to be well stabilized at the moment. Demand fair.

Nutmeg.—Far from plentiful and, based on availability of raw material, not likely to return to even fair supply in the nearby future. Demand reported to be better than leading distillers can supply promptly.

Olibanum.—Would be at least $4.50 to $5 if any were available—which is not very likely since replacement has been out for some time past.

Orange.—Dull and comparatively

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9



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weak because demand cannot readily absorb all the several varieties of oil offered out of spot stocks. Consumption has been curbed some by restrictions affecting the production of numerous manufacturing consumers.

Palmarosa.—Not easy to replace. Hence, very firm in price. Demand not especially brisk but still built of a fair number of jobbing calls.

Peppermint.—The planting season is at hand. Into the muck lands of the Middlewest should go a crop exceeding that of last year by a substantial margin but it remains to be developed whether farmers will increase production with a view to diverting oil to menthol manufacture unless they are permitted a higher price per pound on their 1943 production.

Pineneedle.—Some very good quality oil that is made in Canada is offered locally on the basis of quite attractive spot prices.

Petitgrain.—Very steady in Paraguay and definitely on the steady side so far as spot business was concerned. The supply here seemed adequate.

Rosemary.—A quiet market seemed well stocked with prompt delivery oil, but subject to a demand considerably below normal movement into consumption.

Sage.—Not much available. Surprising that production experiments involving domestic sages have not been underway in a broad way.

Spearmint.—Except as chewing gum manufacturers may need more oil to meet the call for armed force stocks of the gum, there seems to be no special need for more than a moderate to good increase in domestic production. The crop is about to get underway.

Spruce.—Most requirements met although stocks are not more than moderate size and there is question regarding how much labor will be available for production this year. Possibly a good carryover would prove a valuable nest egg—if GMPR ceilings can be exceeded.

Spruce.—Demand light and for jobbing needs but buyers do not find stocks excessive and they do find little tendency to accept bids.

Sweet Birch.—Demand routine and generally built of a not more than moderate number of jobbing request. However, undertones and prices hold firm.

Tansy.—Labor will not be overly abundant this year and notwithstanding the moderate total requirements of the country, producers will do well if they can meet it.

Thyme.—Top quality oil showed a firm to hard price position but there were reports of some shading of quotations on the lower quality merchandise, of which there is a fair stock.

Vetiver.—Steady. Not much demand. High price curbs interest. Stocks low. Not readily replaced. None from Java.

Wintergreen.—More jobbing business in market. Also, inquiries show gain. Prices very steady.

Wormseed.—Quiet but firm. New crop soon to go into ground. Foreign requirements might bring about larger 1943 production.

Wormwood. — Largest users all carrying good-sized carryover. Hope that production will be substantial this year. Labor—or lack of it—might curb output.

Aromatic Chemicals

Citral.—In fair reserve, considering the current interest of consumers. Prices definitely on firm side.

Citronellal.—Far from plentiful. Users usually get but a portion of their requirements and pay full prices at all times.

Citronellol.—Offered in fair-sized volume but not in increasing amounts. Demand steady at all times. Little competition locally.

Coumarin.—Producers expect ceiling prices to be set momentarily by the Office of Price Administration. May differ from original draft.

Dimethyl Phthalate. — Movement and demand variable quantity, day to day. Undertones exceptionally firm at all times.

Ethyl Acetate.—Little competition. Fair spot supplies. Steady prices.

Ethyl Benzoate.—Call comewhat on the down-hill run Drop is moderate. Fails to affect sellers' views on values.

Ethyl Cinnamate.—Steady. Demand routine but well maintained in volume. Competition negligible, in keeping with conservative stocks.

Ethyl Salicylate.—All salicylates are comparatively scarce. Even so is ethyl salicylate but demand merely simmers most of the time.

—O-P-D—

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Petroleum Derivatives

Inadequacy of Crude Petroleum Supply Holding Down Operations in Naphthas and Gases—Kerosene Prices Revised Upward By OPA at Gulf and East Coast Refineries

Handicapped in their operations by a slackening of the flow of crude petroleum from the oilfields into their plants and increasing pressure for devoting much of their refinery capacity to the production of high-octane gasoline for our air forces, many refiners in the Middle West and Gulf Coast areas are finding it impossible to turn out enough aromatic and other naphtha solvents, diluents, lighter hydrocarbons and paraffins to meet the constantly swelling demand for these petroleum derivatives for civilian as well as war production uses.

Adding to the obstacles which beset their progress in attaining sizable production and profitable marketing are the delays of the Office of Price Administration in establishing higher price ceilings for crude petroleum in California, West Texas, Pennsylvania, Ohio, Illinois and Michigan, and the unrelieved shortage of tankcars and other transportation facilities. As a result, business in all these derivatives is dragging heavily at a time when record-breaking quantities are most urgently needed.

But the Petroleum Industry War Council continues to urge upon OPA the necessity for naming higher prices for crude oil as the only efficient incentive for making new oil pool discoveries and building up reserves.

Acting upon the urgent recommendation of the Petroleum Administrator for War, OPA has elevated the price ceilings on all grades of kerosene at Gulf Coast and Atlantic Coast refineries to an extent that has re-established the normal differential between this light distillate and No. 2 fuel oil.

Meanwhile, the shortages of naphtha solvents and diluents are becoming more acute in all the leading refining sectors except the Pacific Coast, and in that region there is a notable scarcity of paraffins and other waxes as well as of liquefied gases.

Price Changes

Advanced

Kerosene, at Gulf Refineries, 41-43 bulk, ¾c. per gal.; at refineries in seventeen Atlantic coast states, 0.3c. per gal.

Reduced

Fuel oil, California, heavy and light, 5c. per bbl.

Lubricating oil, Western Pennsylvania, 150 and 200 viscosity, 0-25 pour, in tanks, 1c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Solvents.—Lack of an adequate supply of raw materials and insufficient transportation accommodations are combining to make it difficult, when not impossible, for many producers of these high-solvency aromtics to meet the rising demand for these products. Consumers unable to obtain WPB authorization to buy the allocated grades, having average distillation points below 330 degrees, are turning avidly to the products with melting points slightly above that level and are buying extensively of the aliphatics.

Cleaners' Naphtha.—Continues in keen demand. Supply still far from ample.

Lacquer Diluent.—Buying movement reaching larger proportions daily. Stocks comparatively light.

Mineral Spirit.—In brisk request and small supply. Tone steady.

Rubber Solvent.—Purchasing interest rapidly warming up and expected to reach a more sizable volume when the synthetic rubber production program gets further under way.

V. M. & P. Naphtha.—Paint trade continues making sizable purchases, although largest portion of current offerings is still being absorbed by war production contractors having more adequate transportation facilities.

Markets at Other Centers

Chicago—March 19

Aromatic Solvents.—Suppliers unable to meet all requirements. Greatest activity continues noted in allocated grades wherein war considerations alone are entitled to buying authorization. But there is also a brisk demand for aliphatics. Market tone holding strong.

V. M. & P. Naphthas.—War contractors still largest purchasers but paint industry also taking up moderate quantities. Tone firm.

Los Angeles—March 19

Aromatic Naphthas.—Demand running high. Producers are meeting most requests from qualified receivers of allocated products.

Tulsa—March 19

V. M. & P. Naphtha.—Current output and supply are falling considerably below current needs. War production contractors with transportation accommodations of their own are obtaining lion's share of offerings but paint trade is also well represented among the buyers.

Lighter Fractions

Butane. — Demand running well ahead of supply. Some suppliers unable to handle accounts of new consumers. Buying about equally divided between war production and civilian interests.

Heptane. — Continues in moderate request.

Hexanes.—Buying interest steadily expanding.

Octanes.—In moderate inquiry and light supply.

Pentanes.—Still in fair request.

Propane.—Producers having difficulty in meeting all requirements, unable to take on new accounts in many instances. Demand exceedingly active.

Markets at Other Centers

Chicago—March 19

Butane. — Buying interest becoming more extensive daily. Market tone strong.

Heptane.—Movement slow but steady.

Hexanes. — Continues in fair demand.

Octanes.—In moderate call.

Pentanes. — Offerings being steadily absorbed.

Propane. — Purchasing movement constantly expanding. Some suppliers unable to care for new customers.

Los Angeles—March 19

Butane.—A sizable proportion of the trade's needs going unfilled. Situation becoming increasingly tight.

Propane.—Keen interest manifested in this light hydrocarbon and liquefied gas. New customers are finding it difficult, if not impractical, to be accommodated in their requirements.

Tulsa—March 19

Butane.—Buyers expanding their purchases, with the purchasing movement about equally made up of war production contractors and normal users.

Propane.—Absorption of offerings exceeding all records. Tone strong.

Petrolatums and Waxes

Paraffin. — Current demand continues far in excess of supplies. Some of the higher degrees virtually unobtainable. But movement of crude, semi-refined and fully refined grades is still reaching sizable proportions. Prices well maintained.

Petrolatums. — Buying interest attaining moderate proportions in U.S.P., veterinarian and industrial grades.

White Mineral Oils.—Movement of U.S.P. and technical grades reaching a sizable volume. Market tone steady.

Amorphous Waxes. — Constantly expanding demand noted for all descriptions of these waxes. Stocks rather light.

Markets at Other Centers

Chicago—March 19

Paraffin. — In light supply but brisk request. Tone strong.

Petrolatums. — Buying interest of

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

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Los Angeles—March 19

Paraffin. — Demand for paraffin on the Pacific Coast continues far in excess of the physical capacities of producing plants.

Fuels and Lubricants

Fuel Oil.—Keen competition among California refiners of fuel oil has recently resulted in some shading of prices for both heavy and light oils to the extent of 5 cents per barrel, making the revised quotations 80-85c. and 90-95c. per barrel, respectively. Stocks of heavy fuel oil have dropped within the past week to a new low level at 68,243,000 barrels, compared with 68,782,000 barrels at the close of the previous week and 84,730,000 barrels on March 14, 1942. Supplementing its supplies obtained from domestic production, the U. S. Navy has recently obtained some sizable importations.

Gasoline.—Several steps have been taken within the past week to ease the gasoline situation on the East coast. PAW has lifted the limitation on the amount of gasoline withdrawn from primary storage each month for agricultural use in the seventeen Eastern States. Sales quotas have been eliminated by the same federal bureau because of the effectiveness of other curbs placed on consumption, but this bureau has nevertheless expressed grave concern over the possibility that rapidly increasing gasoline consumption this Spring, following relaxation in the enforcement of the pleasure driving ban, may prevent accumulation of fuel oil stocks for use in the East coast area next Winter. Hence the purchase privilege of the new rationing coupons has been reduced from three to one and a half gallons per week for holders of A cards in the East Coast area, beginning today, March 22.

Kerosene.—For the purpose of restoring the normal differential between No. 2 fuel oil and kerosene oils of all waterwhite grades from 41 to 44, OPA has lifted the price ceilings on the latter one-quarter cent per gallon at Gulf Coast refineries, 0.3c. per gallon in the seventeen Eastern States and District of Columbia, making the revised maximum prices 4⅛c. to 4⅝c. per gallon in bulk at Gulf ports and 7.1c. per gallon at refineries in Bayonne, N. J., and other Atlantic Seaboard points. For some time past, the shortage in kerosene supplies in the East coast district has been even more acute than that in No. 2 fuel oil which is used principally for home heating and to only a small extent in industry outside of war production plants. This markup in maximum prices of kerosene at Gulf Coast and Eastern refineries, which became effective March 17, has been passed on to all intermediate venders and also to the ultimate consumers.

Lubricating Oil.—Western Pennsylvania refiners, engaging in a miniature price-cutting war, have reduced their quotations for both 150 and 200 viscosity, 0-25 pour oil, in tanks to the extent of a cent per gallon, making their revised offering prices 19c. to 21c. and 21c. to 23c., respectively.

—O-P-D—

Petroleum Boxcar Carrier Developed

An improved boxcar to be used as petroleum carrier has been developed by the Baltimore & Ohio Railroad, has been inspected by officers of the Office of Defense Transportation, and if further tests prove satisfactory several thousand cars may be recommended. The experimental model is a standard automobile-type steel boxcar fitted with four steel tanks encased in wooden boxes. It has a total capacity of 12,200 gallons, considerably more than the average tankcar servicing the East.

Fertilizer Materials

Shipment of Bulk of Our Output of Phosphate Concentrates to United Kingdom Authorized by Combined Food Board—Baltimore Operators Agree on Superphosphate Price

Interest in the fertilizer industry has been focused within the past week on the action of the Anglo-American Food Board in allocating the major part of the North American production of concentrated phosphate fertilizers to the United Kingdom, which has placed an official seal of approval on a continuance of the drain upon the output of these phosphate concentrates in the South of the United States, chiefly in Florida and the Tennessee Valley Authority area, to meet Great Britain's increasing agricultural needs.

Although it is stated that this action will not affect the supply of superphosphate available to American farmers, inasmuch as only 10 percent of the phosphates used by them are applied in the form of concentrated phosphates, but more customarily in the form of 18-20 percent superphosphate, it cannot fail to hold down to meager proportions the amount of double and triple superphosphate allotted to our agriculturists, who already have been deprived of much of this material that they had previously contracted for, in order to satisfy Britain's pressing requirements.

It had been hoped that Britain's recently initiated shipments of phosphate rock from French North Africa to processors of superphosphate in the United Kingdom would obviate the necessity for this siphoning off of our superphosphate materials, but this hope is now fast vanishing. Some of this Moroccan-Tunisian phosphate rock, however, is now seeping into the United States.

Meanwhile, wearied of waiting for OPA to issue its long-awaited MPR No. 135, in which that bureau is understood to have established uniform price ceilings for superphosphate in each of the various areas, operators in the Baltimore market have agreed among themselves on a price basis for transactions of 70 cents per unit or $14 per net ton for the 20 percent grade, which is 2 cents per unit or 40c. per net ton higher than the previously-prevailing maximum price.

Price Changes

Advanced

Superphosphate, 20 percent available phosphoric acid, bulk, f.o.b. Baltimore, 2c. per unit-ton or 40c. per net ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
72.0	71.8	71.8	71.0

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Castor Pomace.—Despite additional arrivals of castor beans from Brazil, aggregating 25,453 bagfuls, with an approximate weight of 4,817,950 pounds, within the past week, the output of the cake, now under margin control in the revised MPR No. 108, is still insufficient to meet all current requirements.

Nitrate of Ammonia.—Offerings of this ammoniate from Port Robinson-Welland, Ontario, continue to be made through the agent for the Canadian producers in six Southern States at $56.65 per ton, subject to the margin control set forth in revised MPR No. 108.

Nitrate of Soda.—Additional allocations are being made by WPB. Importers of the natural nitrates and domestic manufacturers of the synthetic product are adhering to their previously announced price schedules.

Sulphate of Ammonia.—In an amendment to MPR 205, the Office of Price Administration has made special provisions for saving transportation charges for consumers of this ammoniate by eliminating charges for conveying it from the point of production to the point of warehousing, in instances wherein the producers warehouse their output. This allows the consumer to pay only the transportation charges from the nearest inland oven to the point of ultimate destination. This revised regulation also affords relief to producers and jobbers by authorizing them to add compensating charges for warehousing services at Memphis as well as for bags and bagging and the 3 percent additional transportation tax levied by the Revenue Act of 1942 on all transportation charges paid by the buyer.

Leading domestic producers, however, are little affected by this new price regulation, inasmuch as they confine their offerings to bulk material, f.o.b. cars at any one of a list of inland ovens at $28.20 per ton or f.o.b. cars at any of 21 Atlantic Coast ports at $29.20 per ton, giving buyers the alternative of acquiring the material at the lowest cost to them by selecting points nearest their own plants. These price schedules, fixed by OPA at the close of last August, completely eliminated "spot sales," which had hitherto constituted 20 percent of the total transactions. The only way in which the important domestic manufacturers are even remotely interested in this new regulation is in its elimination of Pueblo, Col., from the list of inland furnaces, which has reduced the number of such recognized oven points from 45 to 44, and in its extension of the exempted area of sales to Colorado and New Mexico.

Estimates on operations of by-product cokeovens for week ended March 13indicate production of 38,747,920 pounds from that source.

Potashes

On the eve of the beginning of the 1943-1944 season for the booking of orders and supplying fertilizer grades of potash, domestic producers are planning to expand their already-large output substantially this year, so as to meet virtually all of the hugely amplified requirements of agriculturalists throughout the United States, subject to allocation by WPB under the terms of that bureau's General Preference Order M-201. But announcement of the opening of the order books of the five leading domestic producers for the new season is not expected to be made until two months hence. Meanwhile, the market for this important fertilizer element continues tight, although the tension is relieved slightly from time to time by arrivals of muriate of potash from Russia.

Phosphates

Bone Materials.—With domestic demand far outstripping domestic supply while there is no foreign-origin material available, the market for raw bones and steamed bonemeal continues exceedingly strong.

Phosphate Rock.—Both Florida land pebble and Tennessee brown rock continue moving steadily into the hands of superphosphate processors. Importations of phosphate rock are now reaching here from French North Africa, but the Combined Anglo-American Food Board has assigned the bulk of the North American output of concentrates to the United Kingdom. The phosphate rock thus far received here from North Africa has aggregated 1,650 tons, but of these 1,000 tons have been consigned to the Defense Supplies Corporation and the remainder to the War Shipping Board. Besides these shipments from French North Africa, some 6,000 tons of phosphate rock have lately come into the U. S. from Russia.

Superphosphate.—Official announcement has been made within the past week through the U. S. Secretary of Agriculture of the allocation by the Combined Anglo-American Food Board of the bulk of North America's current output of phosphate concentrates to the United Kingdom. Shipments of triple superphosphate are already being made to Great Britain in constantly increasing volume, and it is understood that the phosphate rock shipped from North Africa to Britain is being rapidly processed into superphosphate and triple superphosphate. Hence the action of the Combined Food Board will not relieve the strain put upon the domestic output and supplies of triple superphosphate which for some time past have been taken out of the American market for shipment to Great Britain.

Operators in the Baltimore market, despairing of obtaining WPB's long-promised uniform price regulation order on superphosphate in time for guidance in transactions for the Spring planting season, have established by a virtual understanding among themselves a uniform price in this area of 70 cents per unit for the 20 percent available phosphoric acid grade in bulk. This new uniform figure is 2 cents above the formerly prevailing outside maximum and is equivalent to $14 per net ton, or 40 cents above the former outside maximum ton price.

Sulphur and Pyrites

Crude sulphur continues to be absorbed by fertilizer processors in large quantities but is still in plentiful supply. Spanish pyrites unobtainable in this country.

Markets at Other Centers

Atlanta—March 19

Cottonseed Meal.—Fertilizer manufacturers and dealers state that efforts to get cottonseed meal for use in fertilizers, after being permitted to do so, have been almost devoid of results. The meal had been placed under contract to feed channels and even these interests have not yet been supplied. Quoted nominally at $38.60 per ton, Southeastern points, for the 8 percent grade.

Baltimore—March 19

Superphosphate.—Business in this material goes on about as hitherto, with the demand well maintained, and with the price established by a virtual understanding of the producers at 70 cents per unit for the 20 percent available phosphoric acid grade in bulk. The price quoted several weeks ago—75 cents per unit—has latterly been deemed somewhat high, and 70 cents per unit is more nearly the commonly accepted uniform figure. This brings the price per net ton for 20 percent in bulk to $14 per ton. An order prepared by OPA some time ago, which is understood to have set forth a tentative uniform ceiling price, has not yet been issued, and there is yet no intimation as to when, if ever, it is to be released.

Chicago—March 19

Bone Materials.—Ground, steam bone, $35 to $36 per ton; cattle jaws, skulls and knuckles, $40 to $42; dry, rendered tankage, hard pressed, $1.21; 50 percent meat and bone scrap, $68.

Los Angeles, March 19

Ammonia Nitrate.—WPB has authorized a powder and munitions works in San Francisco Bay area to sell a total of 3,000 tons of this ammoniate for fertilizer purposes to points in California during March, April, May and June. The price named was $70 per ton, with $4.40 per ton freight allowance to destination. Analysis of this material showed 32½ percent nitrogen. All of the 3,000 tons thus offered has already been snapped up by the trade.

—O-P-D—

U.K. to Get Major Part Of N.A. Conc. Phosphates

—*Continued from page 7*

maximum production of essential food crops in the United Kingdom in 1944 and to estimate the quantity of phosphate necessary to carry out the program. The government of the United States is requested to plan its fertilizer uses for 1944 in an integrated program with the United Nations.

The board's recommendation is intended to reinforce British wartime efforts to provide a part of the national food deficit by increasing the home production of food imports. It was also noted by the department that the United Kingdom hopes to secure from North Africa the maximum quantities of phosphate rock which the United Kingdom can handle.

Concentrated superphosphates are relatively newcomers to the American fertilizer field and are valued chiefly for their lesser weight and bulk which reduce transportation costs on long hauls. Less than 10 percent of the phosphates used on American farms are as yet applied in this form, the more common practice being to use ordinary 18-20 percent superphosphate.

British soils, many acres of which have been cropped for hundreds of years, are particularly in need of phosphate fertilizers. British resources of basic slag and organic materials, although increased to maximum, supply not more than 25 percent of the need. Britain is thus faced with the necessity of importing phosphates in large amounts. Triple superphosphate and high-grade ammonium phosphate yield the greatest amount of phosphatic food per ton of shipping space employed.

It is understood that the program of allocation calls for assignment to the United Kingdom of all the production of concentrated superphosphate of the Tennessee Valley Authority, except for a small amount to be retained by the agency for experimental purposes and for use on its projects in the valley.

Great Britain is understood to be in great need of fertilizer because of its expanded food production program and because one ship can transport as much concentrated superphosphate as two and a half ships carrying "normal" superphosphate, officials decided that it was in the best interest from a shipping standpoint to allot the U. K. the major portion of our output.

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Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9

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- 38 Steel Storage Tanks up to 50,000 gal.
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- 2 Devine Rotary Vacuum Dryers, 5' x 30'
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WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 303, Oil, Paint and Drug Reporter.

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—Continued on page 57

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5—RAYMOND PULVERIZERS; 5—Roll High Side; No. 1 easter Type; No. 0000.
2—All Copper EVAPORATORS: 1 Badger triple 450 sq. ft. per effect, complete; 1—Standard triple 350 sq. ft. per effect, complete.
1—Vilter AMMONIA COMPRESSOR, twin, horiz., 250 tons, direct m.d. to West. 500 HP synchr. Motor, 3-60-440 V.
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4—300 gal. COPPER TIN-COATED TANKS.
35—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—PNEUMATIC SCALE PACKAGING UNIT.
1—No. 9 SWEETLAND FILTER, 42 leaves, on 2½" ss
1—14' dia. WEDGE FURNACE. 7—hearth, complete.
1—Sperry 42" x 42" CAST IRON FILTER PRESS, plate-frame, 55 chambers; 1—Shriver 36" x 36", washing 60 chambers; 20 others, 30" x 30" to laboratory sizes.
2—Direct Heat Rotary DRYERS; 1—6' x 24' Iroquois and 1—5' x 30' Iriquois, ½" shells; 1—4' x 30'.
1—36" dia. Cast Iron COLUMN, 23' high.

LIQUIDATION
Equipment of
Waste Disposal and Reduction Plant
Boston Harbor, Mass.

4—5' x 40' Direct Heat Rotary Dryers
25—Open and Closed, Steel Storage and Pressure Tanks, 500 to 17,000 gallons
18—Digestors, tile lined, cone bottom, 7'5" dia. x 16', 5600 gallons
2—Bartlett & Snow Percolators, 8'7" dia. x 15' long
2—Bartlett & Snow steam jacketed Reducers, 10' dia. x 4' deep, sweeping agitators
1—Sturtevant Fertilizer Unit, complete, including grinder, elevator, screen, mixer, etc.
1—Mitts & Merrill CRE No. 15 Shredder, 75 HP motor
1—Hydraulic Press, 42" platen, with hydraulic pump
3—250 HP Heine Water Tube Boilers, 150 lb. pressure, Mass. std.
1—Baldwin Steam Locomotive, 27 ton, standard guage
1—Curing Chamber, 15' x 21' x 27' high

Miscellaneous: Steam Pumps, Motors, Steam Engine, Royer Disintegrator, Model C-2

Send for Complete List

2—6' dia. & 2' deep Bartlett & Snow steam jacketed COOKERS or DIGESTERS.
1—P. & B. 9—truck ATMOSPHERIC DRYER, 1,562 sq. ft. tray surface.
1—355 c.f.m. Ingersoll Rand AIR COMPRESSOR, 100 lb., A.C. Motor.
1—20' dia. x 10' DORR THICKENER.
1—5' x 50' ROTARY KILN.
1—Church VOLUMETER, for proportioning.
1—4' x 10' ROD MILL, steel lined.
1—Dings MAGNETIC SEPARATOR, for 15" belt.
1—TRIPLE EFFECT EVAPORATOR, cast iron bodies, copper tubes and copper tube sheets, total 4400 sq. ft. heating surface, complete with pumps.

Send for "Consolidated News" listing complete stock

FOR 25 YEARS A SYMBOL OF CONFIDENCE

We Buy and Sell From a Single Item to a Complete Plant

CONSOLIDATED PRODUCTS CO., INC.
13-18 Park Row, New York
Shops: 335 Doremus Avenue, Newark, N. J.

Business Wants and Offers

—Continued from page 56

Positions Vacant

HEAVY CHEMICAL firm, long established, requires sales representative for New York City area. Prefer draft exempt applicant. Reply stating age, experience and salary which will be held in strict confidence. Our staff knows of this ad. BOX 340, Oil, Paint and Drug Reporter.

LIQUIDATION

FORMER TRITON CHEMICAL CORP. PLANT

Near Penn's Grove, N. J.

3—Buffalo 6' dia. Atmospheric Crystallizers
1—Devine 6' dia. Atmospheric Crystallizer
2—Steel Jacketed Mixing Kettles, 5' dia. x 7' high
1—50 HP Locomotive Type Boiler, 125 lb. pressure
2—Day Re-Ball Sifters, 20" x 48"
1—Buffalo 8" x 7" Vacuum Pump, motor driven
2—Pennsylvania 14" x 7" Vacuum Pumps, motor driven, BRAND NEW

Complete Laboratory
Miscellaneous: Office Furniture, Piping, Valves, Pulleys, Motors, Shafting, Rail, Belting, etc.

Send for Special Circular

WIRE PHONE WRITE

Specials

DRYERS—KILNS—FURNACES

1—7'6"x75' Christie Dryer.
2—Atmospheric Double Drum, 3'x8', 4'x9'.
2—Devine 3'x10' 4'x30' Rotary Vacuum.
7—Rotary, 3'x18', 3'x30', 4'x30', 5'x25', 6'x65', 6'x100'.
1—Rotary Indirect, 6'x45', monel lined.
2—Hersey Rotary Indirect, 5'x25', 6'x22'.
4—Herreshoff, Wedge, U. S. Furnaces.
4—Rotary Kilns, 6'x50', 8'x125',

KETTLES—PANS—AUTOCLAVES

1—Buflovak Impregnating Kettle, 42"x60".
5—Copper Vacuum Pans, 2', 2'6", 7' dias.
25—Copper Jcktd. Kettles, 18 to 300 gals.
9—Steel Jcktd. Kettles, 50 to 2000 gal.
4—Autoclaves, 5, 25, 80, 150 gals.
1—Stainless Steel, 100 gal. Agtd.

CENTRIFUGALS

1—American Tool 40" Rubber Lined Basket, motor driven with 15 HP AC motor
2—Tolhurst 60" Copper Baskets
1—Weston 40" Suspended, 40 HP AC motor.
3—Tolhurst 40" Suspended 15 HP AC motors.
5—Tolhurst 43", 40", 48". self-balancing
6—Sharples No. 6 Centrifuges.
4—DeLaval Nos. 200, 300, 600, 700.

MIXERS

2—Day No. 30 Imperial, Jcktd., 75 gal.
10—Trough Mixers, Lab., to 75 gal.
5—Change Can, 8 to 40 gal.
1—Day Universal, Jcktd., 265 gal.
30—Day Powder Mixers, 25 to 2000 lb.

FILTERS

1—Sperry 36"x36", cast iron, 48 chambers.
3—United 36"x36", cast iron, 41 chambers.
10—Shriver Skeletons, 12" to 36" square.
8—Kilby 30"x30", cast iron, 38 chambers.
5—Oliver Rotary 6'x4' to 12'x8'.
3—Sweetland Filters, Nos. 5, 7, 10.
2—Stoneware Filters, 50 and 100 gals.

PULVERIZERS—GRINDERS

1—No. 1 Raymond Mill, motor driven.
7—300 gal. Pebble Mills, 4½'x3½'.
8—Rubber Lined Pebble Mills, 24"x36", 36"x36", 75 to 100 gal.
15—Pebble Mills, Lab. to 200 gal.
6—Day, Buss Roller Mills, 5"x12", 9"x24", 12"x32", 16"x40".
3—Raymond Roller Mills, 2, 4, 5 rolls.
3—Raymond Pulverizers, Nos. 0000, 00, 3.
1—Mikro Pulverizer, 24".
5—Hardinge Ball Mills, 3' to 8' dias.
Colloid Mills, ½ to 100 HP.
5—Colloid Mills, ¼ to 100 HP.
15—Hammer Mills, Williams, Jaybee, etc.

TANKS

1—350 gal. Rubber Lined.
3—Lead Lined, 1700 gal., Vacuum.
1—Lead Lined, 1700 gal., with agitator.
2—20'x20', open top, Steel.
3—Copper, 2000, 2500 gal.
10—Glass Lined, 50 to 1000 gal.
10—Steel, 3500 to 20,000 gal., 8'x32'.

MISCELLANEOUS

1—Triple Effect Evaporator, Copper Tubes, 4400 sq. ft.
5—Rotex, Tyler Screens.
6—Vapor Heaters, 100 to 500 sq. ft.
1—S. & K. Heat Exchanger, 27 sq. ft.
1—Single Effect Evaporator, 3300 sq. ft.
2—Glens Falls Sulphur Burners.
40—Pumps, Centrifugal, Rotary, 1" to 6".
10—Vacuum Pumps, Devine, Buffalo, Nash.
3—Duriron, Dilvite, Lead Acid Pumps.
1—Badger 1000 gal. Copper Still.
Lead Pipe & Valves, 2" to 6".
Screw Conveyors, Bucket Elevators

YOUR INQUIRIES SOLICITED

SEND US YOUR LISTINGS

BRILL Equipment Co.
183 VARICK STREET NEW YORK

Positions Vacant

TECHNICAL REPRESENTATIVE for New England states by factory now manufacturing lacquers and enamels for war purposes. State experience and draft status. BOX 333, Oil, Paint and Drug Reporter.

EXECUTIVE WANTED—Position open as general manager of long established soap factory. Must be generally familiar with raw material purchases, production, advertising and selling. This would be permanent position with excellent post-war prospects for the right man. In answering give age, draft status, full experience and salary expected, also photograph if available. BOX 337, Oil, Paint and Drug Reporter.

Used Equipment

Do you direct your inquiries—both buying and selling — to only the largest dealers?

If *reputation* and not *size* is important, then try us.

—●—

EMSCO EQUIPMENT COMPANY

EMIL A. SCHROTH, Owner

41 HYATT AVE. NEWARK, N.J.

***Phone:* Mitchell 2-3536**

LOCATED PHILADELPHIA, PA.

4—BUCKEYE 15 BOX HYDRAULIC OIL PRESSES, 16" RAM, 24" STROKE, 4,000 LBS. P.S.I.
1—No. 2½ EUREKA VERT. BREAKER.
3—DOUBLE STAND STEEL 4 ROLLER MILLS, 7" x 18", AND 7½" x 30" ROLLS.
1—No. 21 BUFFALO CHOPPER.
2—SHRIVER IRON FILTER PRESSES.
3—JOHNSON IRON FILTER PRESSES.
1—SCHUTZ-O'NEILL 20" PULVERIZING MILL WITH COLLECTOR.
1—STANDARD AUTOMATIC CAPPER.

WRITE FOR BULLETIN L 19

1—Badger 42" Monel Alcohol Column
1—W.& P. 150 gal. Jack. Mixer, Size 16
1—Faust 150 gal. Jack. Double Spray Mixer.
1—3 Roll High Side Raymond Mill.
2—5 Roll W.C. 16" x 40" Steel Roller Mills.
1—Allbright-Nell Atmos. Drum Dryer, 3' x 8'.
1—Devine 4' x 30' Rotary Vacuum Dryer.
43—Stainless Steel Filter Press Plates, 24"x24"
6—4,000 gal. Vert. Acid Proof Tanks.
2—Sweetland Filters, Nos. 5 and 8.
1—Ball & Jewell No. 1½ Rotary Cutter.
1—No. 2 Mikro Pulverizer.
1—No. 4 Mikro Pulverizer.
12—Iron and Wood Filter Presses, 18" to 36".
1—No. 2 Oliver Duplex Vac. Pump, 14" x 8".
1—Pennsylvania Vac. Pump, 14" x 5".
2—Worthington 12" x 12" x 12" Vac. Pumps.
1—Beach-Russ No. 6 Compound Vac. Pump.
1—De Laval No. 301 Multiple Clarifier, M.D.
5—Ross 8, 15 and 40 gal. Pony Mixers.
4—Ross 3 Roll Mills, 12" x 30" and 16" x 40".
10—Pebble and Jar Mills, Lab. to 750 gals.
2—Tolhurst Centrifugals, 32" and 40".
8—Stone Mills, 10" to 32".
8—Lead and Paste Mixers, 50 to 135 gals.
6—Horiz. and Vert. Mixers, up to 500 gals.
10—Glass Lined & Steel Tanks up to 4,000 gals.
6—Vert. Jack. Kettles, up to 500 gals.
20—Copper Jack. Kettles, up to 150 gals.
1—Schultz-O'Neill No. 1 Sugar Pulverizer.
1—Jeffrey 24" x 18" Type A Hammer Mill.
3—Single and Double Roll Spike Crushers.
2—No. 0 and No. 1 Raymond Mills.
6—Williams & Jay Bee Hammer Mills.
—Bauer 22" Attrition Mills.
1—Stedman 42" Ball-Bearing Disintegator.
15—Electric Agitators, ¼ to 10 H.P.
20—Rotary, Centrifugal and Vacuum Pumps.
6—Liquid, Paste and Powder Fillers.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK CITY

Positions Wanted

CHEMICALS OR related materials. Could you use salesman, headquarters N. Y. C. Constructive ideas. Executive ability. Enviable sales record. Available due war conditions. Straight commission preferred. BOX 321, Oil, Paint and Drug Reporter.

FOR SALE

1—Raymond 2-roll high side Mill.
2—4 x 10' and 6 x 15' Tube Mills.
1—3600 sq. ft. all-copper Condenser.
1—20 x 24" Jeffrey Hammer Mill.
2—18 x 48" double drum Flakers or Dryers.
2—24" and 54" cast iron and copper columns.
2—12 x 32" and 16 x 40" 3-roll Mills.
2—No. 5 and No. 2 Sweetland Filters.
2—400 gal. closed lead lined Tanks.
1—800 gal. closed Copper Tank.
5—Sharples and De Laval Clarifiers.

Liquidating Tennessee phosphate plant.
Send for illustrated folder.
What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago, Ill.

FOR SALE!

150 gallon Jacketed DAY CINCINNATUS Mixer
2 Jacketed C. I. Kettles, 1500 gallons
SHARPLES NO. 6 Super Centrifuge, Monel Bowl, M.D.
SHARPLES Super Rotojector
STOKES Surface Condenser, 79 sq. ft. surface
STOKES Vacuum Pumps, 37 to 50 CFM

We buy individual items to complete plants!

MACHINERY & EQUIPMENT CORPORATION
59 East 4th Street New York City

HOMOGENIZER

Charlotte Chem. Mfg. model 800.

SHAKER SCREEN

Jeffery-Traylor, shaker type CVS-8, 6" wide hand deck, capacity 7 to 8 tons per hour; with 15 cycle, 110 volt, single phase vibrator motor generator set.

Wire, write or phone

The Motor Repair & Mfg. Co.
1545 Hamilton Ave. Cleveland, Ohio

— FOR SALE —
350 TONS
TECHNICAL
AMMONIA ALUM

$30.00 PER TON F.O.B. N.Y.C.
In 100 lb. burlap bags

CHEMICAL SERVICE COMPANY
235 FOURTH AVE., N.Y.C. Tel. ST. 9-0133

EQUIPMENT WANTED!

Used equipment of all types and size. Will PAY CASH and remove immediately. Single machines or entire plants. Write or wire collect, giving full description and lowest cash price.

UNION STANDARD EQUIPMENT CO.
318-322 Lafayette Street
New York, N. Y.

Positions Wanted

EXECUTIVE, EXPERIENCED purchasing and controlling distribution of raw materials, industrial chemicals, etc., with extensive sales experience and bulk sales contacts with war industries open for position with manufacturing concern. BOX 334, Oil, Paint and Drug Reporter.

INDUSTRIAL CHEMIST, executive with 26 years' successful record as organizer and administrator in the chemical and pharmaceutical trades, including distribution and production of industrial chemicals and specialties for metal treatment, protective coatings, textile-processing materials, synthetic resins, fine organics. Skilled in market research and use developments. Valuable contacts. Result-producer, draft exempt. BOX 336, Oil, Paint and Drug Reporter.

I AM in a position to offer my services to out of town manufacturers or suppliers of raw materials whose selling and solicitation arrangements have been disrupted in the New York Metropolitan area because of present conditions. Eighteen years of successful selling to manufacturers of paint, varnish, ink, and allied industries qualifies me to handle most any assignment in connection therewith. BOX 339, Oil, Paint and Drug Reporter.

PROTECTIVE COATINGS chemist executive, employed, wishes change to war effort; experience in management production, sales promotion of lacquers, varnishes, enamels, paints, production manager, past sales manager. American. Past draft age. BOX 341, Oil, Paint and Drug Reporter.

Varnish Fires

VARNISH FIRES—Oil burning installations converted to coke with minimum of delay in production. Reconversion simple. No priority required. Many years experience with all types of varnish fires. Otto Penzenstadler, Ridgewood Station, BOX 40, Brooklyn, N. Y.

War Contracts Renegotiation Banned

—Continued from page 3

tracts, but to subcontracts as well. The groups of products involved are:—

Aggregates consisting of washed or screened sand, gravel or crushed stone; aluminum ingots and pigs; alumina; calcined or dried bauxite; crude bauxite; antimony ore, crude; antimony ore, concentrated; antimony metal; antimony oxide; arsenic powder; arsenious oxide (white arsenic); asbestos fibre; bismuth; cement; chromium ore and ferrochrome not processed beyond the form or state suitable for use as an alloy or refractory in the manufacture of steel; bichromates; chromic acid; china clay; kaolin clay; fire clay; brick and tile made from clays other than kaolin, china or fire clay; coal, prepared; run of mine coal; copper ore, crude; copper ore, concentrated; copper billets, cathodes, cakes, ingots, ingot bars, powder, slabs and wirebars; fluorspar ore; fluorspar fluxing gravel; lump ceramic ground fluorspar; acid grades of fluorspar; crude iron ore, pig iron; gas, natural processed or treated further than the processing or treating customarily occuring at or near the well; gypsum, crude; calcined gypsum; lead ore; refined lead bars, ingots and pigs; antimonial lead bars, ingots and pigs; lime.

Magnesite; dead burned magnesite; metallic magnesium pigs and ingots; manganese ore; ferromanganese; silicomanganese; oil, crude, not processed or treated further than the processing or treating customarily occurring at or near the well; phosphate rock, superphosphate; ferromolybdenum; calcium molybdate; molybdenum oxide.

Rock salt; common salt of all grades; refined silver bars, shot, powder and grains; stone, rough dimension; sulphur, crude; refined pig tin; standing timber, logs, logs sawed into lengths, and logs with or without bark; tungsten ore and concentrates; ferrotungsten; tungsten powder; vanadium ore and concentrates; ferrovanadium; vanadium pentoxide; zinc anodes, balls, oxides, powder and slabs.

DRUMS RECONDITIONED

CLEANED TESTED DENTS REMOVED BAKED PAINT RELINED (High Temp.)

NEWARK STEEL DRUM CO.
C. J. COLVILLE, President
LINDEN, N.J. Phone 2-4466

Shipping Information

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New York Imports

ALOE—53 cs, Schutte & Focke
162 cs, R J Prentiss & Co
175 cs, S B Penick & Co
46 cs, Kachurin Drug Co
ASBESTOS—3,500 bgs, 70,000 lbs, Johns Manville Co
878 bgs, 175,600 lbs, Keasley & Mattison
BLEACHERS BLUE—2 bbls
BUCHU LEAVES—12 bls, Kachurin Drug Co
16 bls, Allaire, Woodward & Co
12 bls, Corn Exchange Bank & Trust Co
CASTOR BEANS—1,665 bgs, 249,750 lbs, Bunge North American Grain Co
3,400 bgs, 510,000 lbs, Bank of the Manhattan Co
1,700 bgs, 255,000 lbs, First National Bank
1,700 bgs, 255,000 lbs, Union Bank & Trust Co
13,600 bgs, 2,040,000 lbs
3,388 bgs, 508,200 lbs, Baker Castor Oil Co
CINNAMON QUILLS—400 bls, 40,000 lbs, Volkart Bros
275 bls, 27,500 lbs, Joensson & Cross
56 bls, 5,600 lbs, J H Faunce Co
250 bls, 25,000 lbs, Holland Colombo Trade Society, Inc
354 bls, 35,400 lbs, Catz American Co
COCOA BEANS—700 bgs, 140,000 lbs, National City Bank
600 bgs, 120,000 lbs, Chase National Bank Trust Co
500 bgs, 100,000 lbs, Bank of the Manhattan Co
600 bgs, 120,000 lbs, Guaranty Trust Co
500 bgs, 100,000 lbs, Bank of London & South America
450 bgs, 90,000 lbs, W R Grace & Co
7,940 bgs, 1,588,000 lbs
COLORS, POTTERS—2 cks
COPRA—13,800 cwt
CUTTLEFISH BONES—24 cs, 2,164 lbs, J B de Macedo
75 cs, 7,071 lbs, Gerhard & Hey
DYES, ANILIN—2 cks
GRAPHITE—33 bgs
ICHTHAMMOL—2 cs, McKesson & Robbins
KYANITE—100 tons, C A Taylor & Son
OIL, CASTOR—737 dms, National City Bank
500 dms, Bank of the Manhattan Co
250 dms, Irving Trust Co
COCONUT—Quantity
COD—100 dms, Scandinavian Oil Co
LIME, DIST—20 cs, 1,400 lbs, Dalton Cooper, Inc
PAPAIN—20 cs, 2,240 lbs, S B Penick & Co
10 cs, 1,120 lbs, J L Hopkins & Co
138 cs, American Ferment Co
PAPRIKA—50 bgs, 5,621 lbs, Van Rooy Coffee Co
200 bgs, 22,484 lbs, Chef Boy Ardee Quality Food Co
250 bgs, 27,500 lbs, Levy & Levis Co
ROSIN—50 bgs, Schutte & Focke
STARCH MANIOC—1 bg, Bunge North American Grain Co
TEA WASTE—800 bgs, 56,000 lbs, Maywood Chemical Works
WAX, BEES—51 bgs, E A Bromund Co
79 bgs, Geck Trading Co
118 bgs, Schutte & Focke
CARNAUBA—116 bgs, 33,200 lbs, Cornelius Products Co
134 bgs, 26,800 lbs, Marine Midland Trust Co

—O-P-D—

Foreign Trade Rules

Oil Cake:—Uruguay has established a quota for the importation of 3,000 tons of oil cake (peanut, sunflower and linseed), and 5,000 tons of corn for consumption, to enter exclusively by the ports on the River Uruguay.

Potato Starch:—Canada has ruled that potato starch may not be exported to any destination except under permit.

—O-P-D—

Exporters Meet Mar. 30

The Export Advertising Association luncheon will be held in the Hotel Pennsylvania March 30, in conjunction with the Export Managers Club get together. James R. Young, noted foreign observer and correspondent, will speak on "Past and Future of American Advertising in the Far East."

—O-P-D—

Fritzsche Draftee Wins South Pacific Honors

Robert E. Conway, employed in the Chicago office of Fritzsche Brothers, Inc., until July 15, 1941, when he was drafted, recently returned from active participation in some of the heaviest fighting of the South Pacific. Sergeant Conway was with the nineteenth Bombardment Group, the most decorated outfit in the U. S. Army and the unit to which Captain Colin Kelly was attached when his bomber sank the Japanese battleship "Haruna." He was decorated three times and in addition wears three stars for having participated in the battles of Java, New Guinea and Port Moresby. He is at present stationed in Texas training recruits for the Air Corps.

—O-P-D—

N.Y. Trade Board Plan Luncheon in Honor of Chile

The Latin American Section of the New York Board of Trade will hold a luncheon, honoring Chile. Rodolfo Michels, the Chilean Ambassador to the United States will be the principal guest of honor, and the luncheon will be held in the Waldorf-Astoria, this city.

Botanical Drugs

Roots

—Continued from page 50

to 90c. to $1 per pound in one quarter.

Blood.—Still scarce. Relief depends on substantial collections.

Dandelion.—Some disposed to reduce inventories. Quote minimum at 28c. per pound. Little trading reported.

Licorice. — Plentiful supplies in market not more than routine in activity.

Seeds

Anise.—Mexican lowered to 29½c. to 30c. per pound. Sales slow, all kinds of seed.

Caraway.—Larger demand puts dewhiskered Syrian seed to 45c. to 46c. per pound.

Celery.—Indian seed higher at 32c. to 33c. per pound and still far below official ceiling.

Coriander.—Indian seed advanced to 10c. to 10½c. per pound.

Cumin.—Persian up to 15¼c. to 15¾c. per pound and well supported.

Mustard.—Washington and Montana states do not offer. Might think old crop was exhausted. Believed that large quantity is held for a speculative advance. California brown advanced to 14½c. to 15c. per pound; yellow, 10c. to 10½c.; Montana and Washington yellow, 9c. to 9½c.

Spices

Allspice.—Ceiling at Laredo, Texas, is 17c. when certain former expense items are eliminated, as required. Sellers here say cannot legally pay more than 17c. at Laredo. Yet holders there say 22c. is minimum, but report no sales thereat.

Cassia.—All prices purely nominal. Only exceptional luck accounts for occasional supply turning up on open market.

Cinnamon. — Almost nominal and practically out of spot supply.

Ginger.—Steadier than of late and lacking change in price.

Paprika.—Fair spot offerings and few buyers.

Pimento.—Available at 25½c. to 26½c. per pound when goods arrive in this country.

—O-P-D—

So. Phosphate Buys Coal Company in Penna

The Southern Phosphate Corporation, Baltimore, has purchased for $500,000 the outstanding stock of Carey, Baxter & Kennedy, Inc., recoverer of hard coal in Pennsylvania.

—O-P-D—

Join the Red Cross

Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

VANILLA BEANS
ZINK & TRIEST CO.
15 Lombard Street Philadelphia Pa.

GUMS QUINCE SEED GALL NUTS TRAGACANTH ARABIC
D. S. DALLAL, 261 Fifth Avenue, New York
IMPORT MUrray Hill 3-0452-0453 EXPORT

GUMS WHOLE AND POWDERED
TRAGACANTH ★ ARABIC
KARAYA (Indian Gum) ★ LOCUST BEAN
FRANK-VLIET CO., INC.
160 Water St., New York, N. Y.

ALGIN
THE COLLOID WITH THE UNUSUAL PROPERTIES
MADE TO THE MOST EXACTING STANDARDS BY
ALGIN CORPORATION OF AMERICA
24 STATE STREET
NEW YORK

Persian
QUINCE SEED
No.1 Highest Quality
WRITE FOR PARTICULARS
ORBIS
PRODUCTS CORPORATION
215 PEARL ST., NEW YORK — Factory, NEWARK, N. J.

PAUL A. DUNKEL & CO., Inc.
82 WALL STREET
NEW YORK, N.Y.
Hanover 2-3750

IMPORTERS AND EXPORTERS:
GUMS
CRUDE, POWDERED, PURE AND TECHNICAL
WAXES AND CHEMICALS
CHICAGO: J. H. DeLAMAR & SON, 160 E. ILLINOIS ST.
NEW ENGLAND: P. A. HOUGHTON, INC., BOSTON, MASS.
PHILADELPHIA: R. PELTZ & CO., 36 KENILWORTH ST.
ST. LOUIS: H. A. BAUMSTARK & CO., 4030 CHOUTEAU AVE.

GUMS:
GUM ARABIC
GUM GHATTI
GUM ARABIC BLEACHED
GUM TRAGACANTH
GUM KARAYA (Indian)
GUM SHIRAZ
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
SPECIALTIES:
MENTHOL (Crystals)
PEPPERMINT OIL
CITRONELLA OIL
SPEARMINT OIL
TEA SEED OIL
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX
★
CASEIN

OPD—3-22-1943

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